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GREAT KNOXVILLE SHOW JANUARY 8 to 11, 1908.

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THE INDUSTRIOUS HEN

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AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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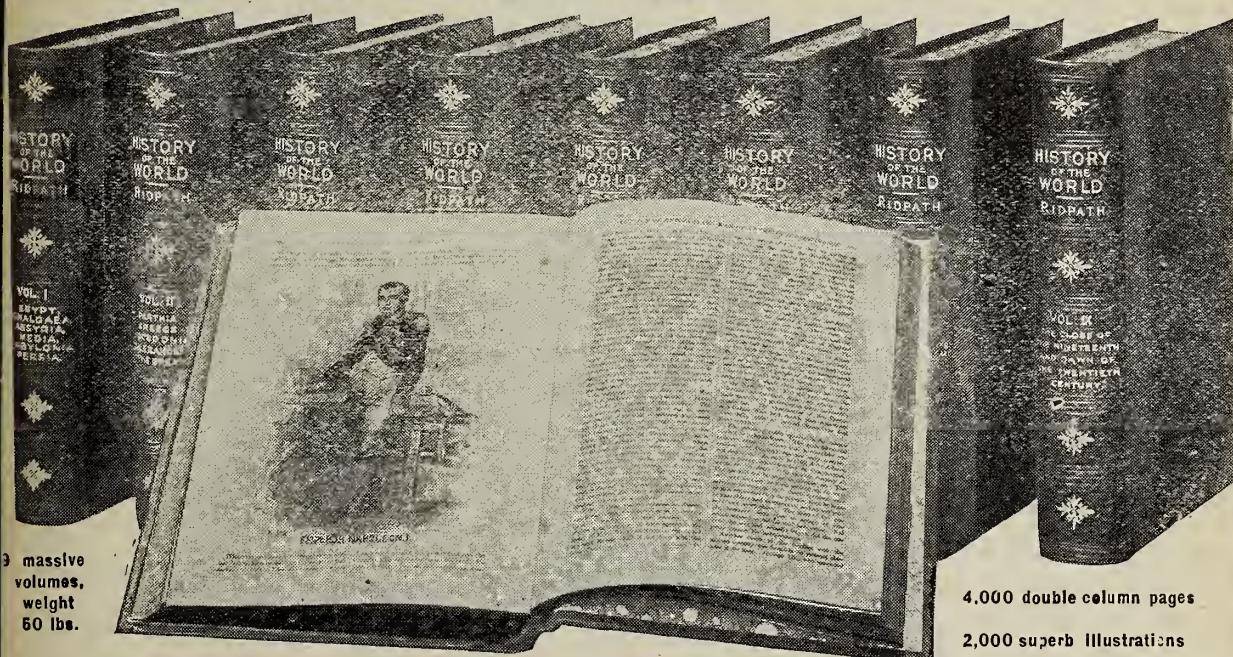
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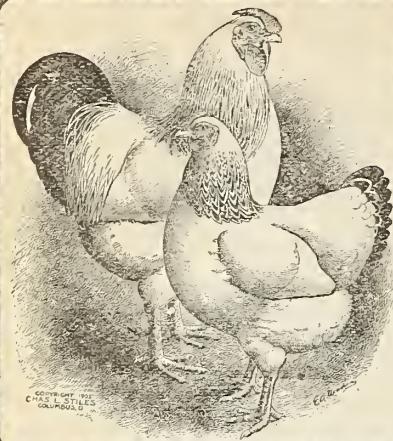
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KNOXVILLE, TENNESSEE

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JOHN T. OATES, Sec'y.

THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 4

Knoxville, Tenn., December, 1907

(Whole No. 43) No. 7

POULTRY WORK FOR DECEMBER

BY THE EDITOR

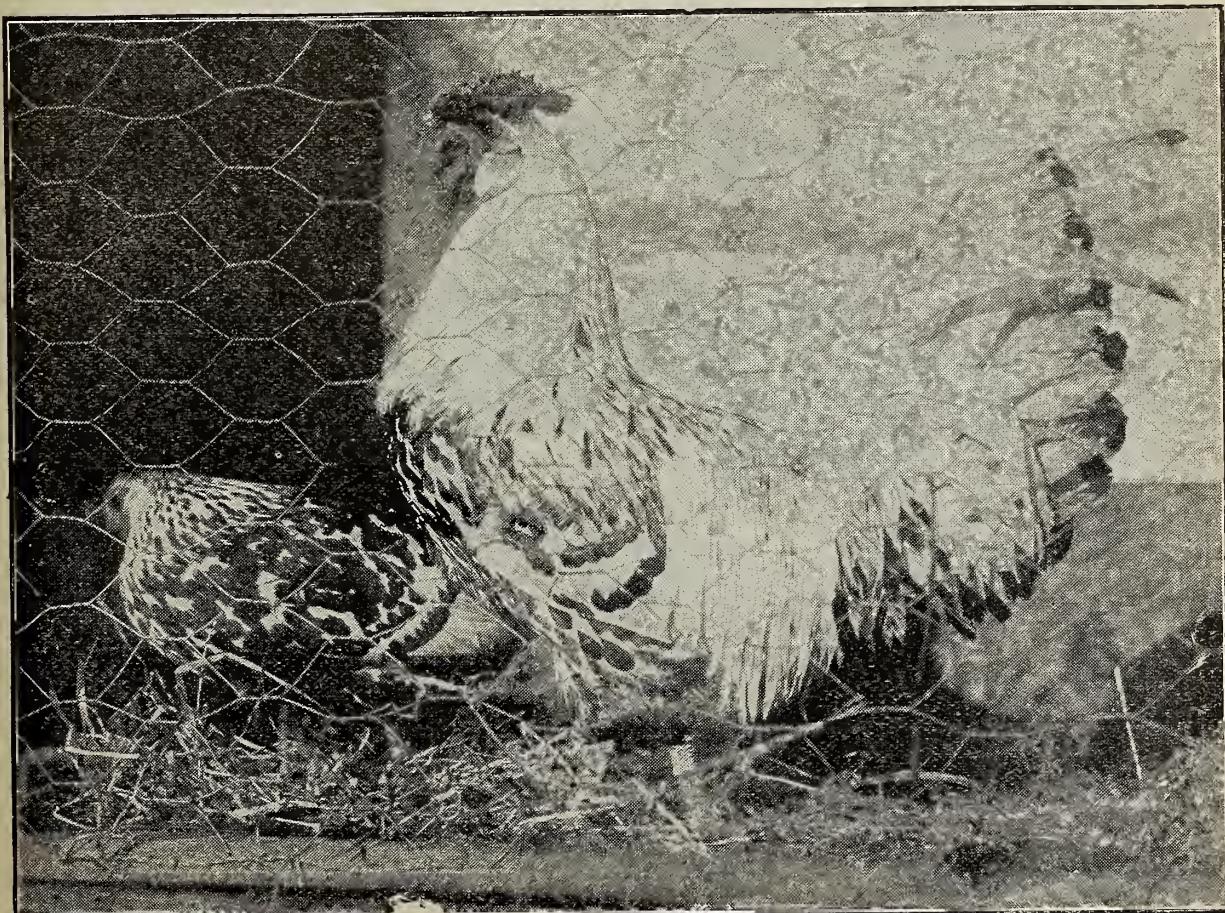
NOW for business. The work done so far has been preliminary to this, the business season—the season for selling fowls and eggs, the season for starting the production of next year's poultry crop—for, from Maryland down the line, December is not too early to start the hatching business. Remember the early bird—takes the cake.

On this New Year's Day in poultry culture let's make a few good resolutions. Let's be clean; be prompt; rely on no one but ourselves and neglect not a single small detail. We believe that our natural advantages are so great south of Mason and Dixon's line that it is apt to make us careless and indifferent breeders. Poultry seems to stand more neglect, and they get it too. Stop those leaks; damp quarters will play havoc with your flock; not only water leaks, but air leaks too; cracks—the smaller they are the more harm they do. Not too late to clean up; whitewash; pursue the festive mite with the deadly oil can—not once, but ever so often. Have you nice, clean, comfortable nests, as invitations to biddy to lay.

Try a few trap-nests on your best looking pullets. Are your pullets laying? Give them extra care, plenty of variety, green bone or beef scrap sure, twice or three times a week.

What about your matings for next season's crop? There's where so many fall down. We've been pretty careless about this vital mater. Use up to weight females, with a vigorous male; if possible a yearling cock mated to hens yearling or older. It's not the number you raise, and the quality of such. Never use as a breeder a fowl which has been sick and gotten well or been cured. Almost invariably weakness will show in their descendants. Best get rid of or use for market eggs such hens. Map out a regular program for the coming season; prepare for it and stick to it. Decide how many chickens you can care for right, and decide now, to raise only that many. Don't murder or cause a decline in the vitality of your flock by allowing them to get overcrowded.

Get at the incubators or brooders; look to lamps; have them clean; order wicks and such parts as need putting in



Silver Spangled Hamburgs, bred and owned by Breitwieser's Poultry Yards, Buffalo, N. Y.

order. It's best to have an extra lamp or two and some extra pieces of felt. For new burlaps in the nursery a clean new grain sack will furnish the best material. Be sure to clean all soot out of incubator and brooder heaters to avoid danger of smoking lamps. Don't mind paying extra for a class of oil; a smoky lamp is an abomination of desolation. Have you earth for dust baths? Get some tobacco stems for bottom of nests. Go after lice some more; then do it again and again so. The fall is late this year; gather all the leaves you can now

and put in dry for scratching material. Don't let hens out on ground when frost is heavy; keep them in till sun is out; keep them in when it rains, when it snows and when it hails; in fine, when the weather is bad. Fed green stuff sure; remember three-fifths of the amount a hen eats each day is green food. Sell, eat or get rid some way of the small, dirty feathered undersized pullets; they are not worth keeping; will never pay their feed bill. Be with your fowls all you can this winter and early spring. Work!

A CENTRAL SOUTHERN SHOW

WRITTEN FOR THE INDUSTRIOUS HEN BY R. E. TRAVIS

IT depends on what is meant by it and where it is held. If the Southern States want a show they certainly have the birds to make it. And I incline to the opinion that there are many and very strong reasons for having an annual poultry show in the South.

The South has shown marvelous recuperative energy within the last forty years. Every department of industry, for the most part growing from small beginnings, has come to contribute, to largely increase the volume of our national commercial life, exports and all. Added to our standard products will be the poultry industry until nearly every farm will be stocked with fowls and attention given in a quickened way to the poultry yard and its income. More generally a better class of fowls will be bred for the tendency is strongly towards the pure bred and in the ratio of their increase will be the decrease of the mongrel.

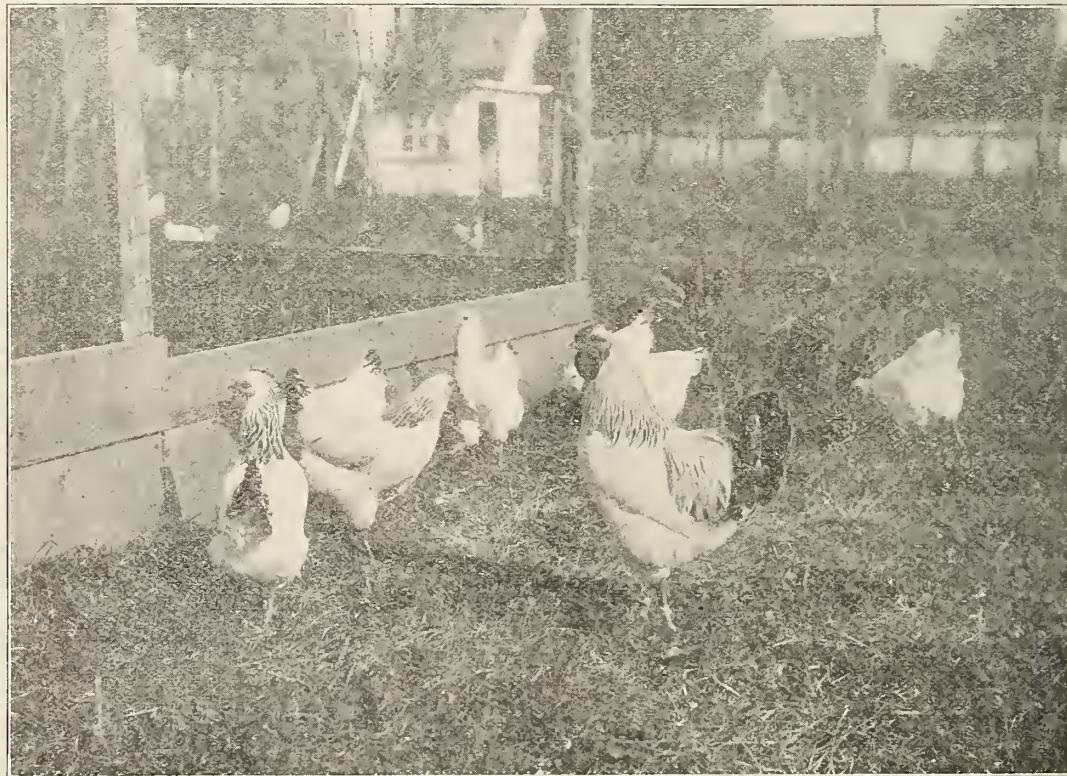
Already Northern judges have conceded to the South better birds than some of the Northern States are producing. Read this statement and lay it up: The South is destined, from climate and economic reasons, in bringing birds to maturity at the lowest possible cost, to lead the world both in quantity and quality of poultry. The foolish feeling of the fancier is now raging. When more of the breeders, both North and South, begin to have the ribbons tied on birds from their

own pens and not those bought of others for the show room, it will be the augury of a better day.

Our cotton goes everywhere there are looms to card and weave. Why not our fowls? There is now no use of going North for stock. As fine blood, form and plumage, as can be found on earth are to be found in the South as may be seen anywhere on earth. We, of the South, do not question the right or propriety of the New York Madison Square show. Glad they have it and rejoice in its success.

We, of the South, have a Madison Square Garden show too if we will only get wise men together and plan and execute. If each state poultry association would agree to contribute its quota of expense to earnest working men of its own appointing and have thus a meeting somewhere to take the initiative, it seems that something might be done. Let the cost of such representatives rest with the association respectively sending them.

A central show for the South resulting, it would give the poultry industry here amongst us both national and international importance. Our export trade in fine birds is increasing annually, but we of the South are not getting the share which the quality of our birds demands. When the world knows what we are producing in the way of fine birds the world will want them. It is time to put in our claim and nothing will do it so well as a permanent Central Southern show at some central point of our territory. Such are some of my views as a Tennessean



First Prize Pen, Columbian Wyandottes, Tennessee State Fair, Sept. 1907, owned by James M. Butler, Murfreesboro, Tenn.

THE JAMESTOWN SHOW

BY THE EDITOR

THIS show was a great success as far as the quality of fowls displayed was concerned but in the matter of attendance it was poor indeed. The poultry building to the left of the main entrance was well lighted from above and just could hold, without double decking, the three thousand odd fowls entered. They were the cream of the country, far better in quality than those shown at St. Louis. It was remarkable that they were in such good shape, considering that this was an early show, and that the express companies got hopelessly jammed. The facilities for delivering fowls were nil; result, the judging did not commence till Thursday; the ribbons were not all up till Saturday, while fowls began to be removed Tuesday. This made only a day and a half as a complete show. The judging was first-class, barring the almost universal inclination to prefer feathers to shape. The new men are to be congratulated on their good work. The Southern breeders have no cause to be ashamed of the showing they made in general in some of the most hotly contested classes. (The largest classes were White Wyandottes, S. C. Brown Leghorns, B. P. Rocks, White Rocks, White Leghorns, R. I. Reds and Buff Rocks.

There were several surprises. One was the grand display made in Buff Rocks; then the small number of Columbian Wyandottes and the fact that R. C. R. I. Reds were a much larger class than the single combs; there were also more R. C. than S. C. Minorcas. Among the unusual breeds were Lakeinvelders, Anconas, Black Sumatras, Buckeyes, English Salmon, Faverelles, Penciled Plymouth Rocks, Columbian Plymouth Rocks and Rhode Island Blues.

The poultry press was well represented by a number of their editors. The blue booth was presided over by a young lady from Norfolk. The R. I. Red Club booth, presided over by President Caswell, dispensed Red Hen Tales and exhibited two handsome club cups.

Superintendent Murkin was a busy man ably seconded by Theo. Hewes while Assistant E. L. Doak was an indefatigable worker from dawn to dark, besides conducting a successful poultry institute. Several of the judges took off their coats and worked hard to get things in shape, notably Denny, who is said to have been born judging Buffs. A couple of "corporations" were brought low when Judges Ewald and Pierce banded the ducks in the bottom coops.

The local press had a remarkable dearth of news of the show, in fact scarcely any mention at all, which may account for the poor attendance.

White Wyandottes were the largest class. Chas. Nixon, Jr., with two entries won first pullet and fifth hen. His pullet was a dream. Ocean Springs (Miss.) Poultry Farm won fourth hen, fifth cock, sixth hen, sixth pullet. This cock was the best shaped male in his class. H. C. Dipple showed up strong, with fifth cockrel and fourth pullet.

In Barred Plymouth Rocks the pullets were especially strong. In W. P. Rocks, one of the strong classes, Eastland Poultry Yards won third cock, fourth hen, fourth pen. They were handicapped by the long trip and detention by the express company. W. E. Mattocks won first cockerel, a beauty, too.

Buff Rocks, a remarkable class, brought out a large display through the efforts of the B. P. Rock club, which offered nearly a hundred dollars in specials. George Fox, Tarresdale, Pa., had the cream of the prize birds. His first cock, is one of the most noted birds in the country—a New York winner.

In the old reliable S. L. Wyandottes, now pushing to the front once more J. A. Muecke, of Kingston, Tenn., won all firsts but one—first pullet, which Geo. E. Rice, Charlotte, N. C., won. Mr. Rice entered two birds and won two prizes.

In Golden Wyandottes, R. E. Jones held his own with first hen and first pen.

In Columbian Wyandottes, the prizes were well scattered. Sturtevant Bros. did the honor to Alabama with first cock, fifth hen. H. T. Brinsee, for Virginia got second pen.

The Red class was a hot one. Langford and Lansden upheld the honor of the South in grand style. The first got first cockerel, which won club cups and color special. This bird is noted wherever shown. Lansden was right in it with two hens, two and five pullets and five cockerel. Lester Tompkins, who saw these birds, pronounced them extra good quality.

In Black Langshans the quality was great. Those old rivals, Cochrane and Adams, of Bristol, were to the fore. They, with Mrs. Robert W. Holland, of Belair, Md., made nearly a clean sweep.

In S. C. Brown Leghorns, one of the strong classes,

Sturtevant Bros., won third pen. The happiest woman in the show was Mrs. Forbes, of New Decatur, Ala., when she won first cock over some veteran exhibitors. She also won five cockerel and five pen, in S. C. White Leghorns. S. S. Stanbury, of Virginia, was the only Southern winner. This was a strong class.

In S. C. B. Minoreas, Sandy Run Farm, Ellenboro, N. C., won first hen, fourth cockerel. The hen was a good one. In R. C. B. Minoreas, the quality was remarkably good—it was all Indiana, with Fred. C. Mishler, of Manchester, winning three first and two seconds. I handled his birds and they are beauties. Judge Marshall remarked on their excellence.

The Buff Orpingtons were a fine lot. Georgia rather put over the others here, but the veteran C. E. Vass, of Washington, N. J., won first hen and R. L. Bennett, of Nashville, fifth pen. Mr. Vass also won on White and Black Orpingtons, and first cock and hen on R. C. Buff Orpingtons.

In S. C. White Orpingtons, Frank S. Bullington, of Richmond, Va., was to the fore with first cockerel, first pullet and third hen.

V. A. Council, of Warrenton, Va., won all the firsts in Blue Audalusians. His birds were good ones.

A notable display were the Lakenvelders of Geo. C. Price, Charlotte, N. C. They won the Corno cup. Mr. Price won in other classes too. He will be heard from in the show room.

Hickory Bottom Poultry Farm, Beaver Dam, Va., won all the prizes for Aylesbury and White Muscovy Ducks and second on White Holland Turkeys. They had some fine White Wyandottes which suffered severely in the express jam. Mr. Taylor, the owner, is a thorough fancier and a reliable gentleman.

As a whole the Jamestown show was a great one, despite all the adverse conditions encountered.

THOROUGHNESS.

In looking over the fowls at the Jamestown exposition show we were much struck with one point in which the East is superior to the West and the West to the South. That is in the selection and preparation of birds for the show. The Eastern fancier is thorough; he neglects no detail; he omits nothing; takes no chances. He literary goes over each feather on his showbirds. He selects a bird for a show of a certain date so that at that date the bird will be ripe. He trains his fowls carefully; grooms to the nicest point; sees that they arrive in the best of shape and looks after them up to the point where the judge passes on them. He is painstaking; neglects not the minutest detail. The result is he carries off the prizes, in a large majority of cases.

At Jamestown, we saw prizes won in some of the large classes, especially among the white fowls, with birds not the top-notchers, because they were in the pink of condition and ground to perfection, so they lost not a fraction of a point on condition. It's a sad fact, but none the less true, that you could almost pick out the birds shown from the South by the lack of proper preparation they exhibited. Now there is no good reason for this; our breeders have the intelligence and are thorough fanciers; let them show their birds in the best of shape and it will be a revelation. To do otherwise is a reflection on the owner and an injustice to a fine thoroughbred.—T. L. B.

EAST TENNESSEE POULTRY SHOW.

Only a month now before the great poultry show at Knoxville, January 7-11. This is the great event in poultrydom for this section of the country. If you have not started, you still have time to prepare your fine birds for this event. It is expected this year that the show will be greater than ever; from 1500 to 2000 fowls are expected. This show has become noted for the perfection with which all details of management and care of fowls are carried out, and the uniform fairness with which all entries are treated. The small breeder, the novice, the man with an entry or two gets the same chance as the big breeders or the owners who are present at the show. If you do not enter fowls, visit the show; it will be a liberal education. If you do not own fowls, go just the same. It is a beautiful sight.—T. L. B.

THE INDUSTRIOUS HEN

DEVOTED TO EVERY INTEREST OF THE

Poultryman, Live Stock Breeder and Small Farmer

Entered at the Knoxville Postoffice as second-class matter.

S. B. NEWMAN President.
L. B. AUDIGIER Vice-Pres. and Gen'l Mgr.
J. T. OATES Sec'y and Treas.
T L. BAYNE Editor.

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ADDRESS ALL CORRESPONDENCE TO

The Industrious Hen Co., Knoxville, Tenn.**Vol. 4****DECEMBER, 1907****No. 7**

THE INDUSTRIOUS HEN is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to the Poultry industry, Live Stock breeding and intensive farming. Contributions that are practical and pithy are solicited.

The Editor is not responsible and does not always endorse the opinions as expressed by his contributors.

Subscribers desiring a change in address will please give the old as well as the new postoffice.

ADVERTISING RATES

Furnished on application. The value of THE INDUSTRIOUS HEN as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest Poultry journal in the United States to advertise in. Advertisements, to insure insertion in the issue of any month, should reach this office

Not later than the 25th of the month preceding.

BREEDERS' CARDS— $2\frac{1}{2}$ cents a word each month for one, two or three months; 2 cents a word each month for four or more months. A 25 word card will be run six months for \$2.50, one year for \$4.50. A small cut illustrating a breeder of 25 words or more will be used for 50 cents additional. Numbers and initials count as words. Please count the words correctly and avoid delay. We keep no books with this department and cash must invariably accompany the order.

THE INDUSTRIOUS HEN reserves the right to reject any advertisement for cause.

IMPORTANT

Many new advertisements, show announcements, etc., have been left out of this number of THE HEN on account of receiving them too late. We hold our forms open as long as we possibly can to accommodate our friends, but we must have a time to close, and that is the 25th of each month. Copy should be in by the 20th.

**SPECIAL NOTICE TO SUBSCRIBERS
Your Address**

On the wrapper or cover indicates when your subscription expires. In order not to miss a number it should be renewed one month in advance. If, after your name appears the date "Apr. 7," it means that your subscription is paid to April, 1907, and unless renewed will be discontinued after that date.

If a large letter "X" is stamped in the panel at the left of this paragraph, it means that the time for which you paid your subscription has expired and, unless renewed before the next issue, will be discontinued; therefore, if you do not want to miss THE INDUSTRIOUS HEN, YOU SHOULD RENEW AT ONCE. Do not fail to send us either 50 cents to pay for your subscription for another year, or \$1.00 to pay for the paper for the next three years. Better send \$1.00 and have the best and most helpful and practical poultry journal found in the world coming to you regularly every month for the next three years.

SAMPLE COPIES

If you receive a sample copy of THE INDUSTRIOUS HEN you are invited to subscribe for it. You may never get another copy, and if you like it, fill out the enclosed order blank and mail it with 50c for one year, or \$1 and have it come to you for three years. Thousands are doing this now and you will never regret it. In sending your subscription if you have a friend who would like to see a sample copy, send us their name and address, but send your own subscription RIGHT NOW. Do not put it off because you are busy, but DO IT NOW. Address THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

AGENTS WANTED

We want an agent at every poultry show in the country to solicit subscriptions for THE INDUSTRIOUS HEN. We have a liberal proposition to make and a hustler can make good money. We have solicitors who make as high as \$10.00 per day. Others make from \$3.00 to \$6.00. If you want to make some easy money, send for our proposition.

"A story for the nature fakirs and President Roosevelt, too, comes from St. Elmo, a storied town at the base of Lookout Mountain. The statement is made that mosquitoes have been killing chicken broods in that town. They were young chicks, however, and recently hatched out. The mosquito pest literally attacked the chickens in swarms at night and stung them to death. The cause of the death of so many chickens was not known until night watchers went to work. Microscopic examinations were made of the dead chickens and mosquitoes captured while preying upon the chickens and it was actually found that the mosquitoes had bits of feathers in their claws where they had been holding on to the chickens in their crusade for blood. Another fact shows that it has been the troublesome mosquito. When it was discovered that the pest was at the bottom of the matter screened coops were provided for the chickens and in such cases there have been no fatalities among chickens since."

There is nothing remarkable in the above. It is quite common in the far South for chicks to be killed by mosquitoes, where the latter are very bad. They are not stung to death, but drained of enough blood to kill them. Fortunately this does not often happen. We saw last summer in Mississippi lots of chicks with bumps and sore spots from mosquito bites. A few had died. But there are no bad effects generally.

* * *

Few people, even among the poultry fraternity, have any idea of the greatness of the poultry industry. Some interesting statistics appear in *Poultrykeeper*, prepared by Edward Brown, F. L. S., of England, Honorable Secretary of the Poultry Conferences in 1899 and 1907, and Assistant Commissioner of Agriculture and Professor of Aviculture. These figures are for 1906, except for the United States, which is for 1905. We have changed figures from English to our money.

Estimated egg and poultry production:

Europe	\$375,000,000
Asia	25,000,000
Africa	7,500,000
America (on 1905 basis)	575,000,000
Australia and New Zealand	7,500,000

Total for the world \$990,000,000

Just think what a stupendous sum this is, produced in a year by the hen. It will be seen that the United States and Canada produce more than half of this, and there is no reason why they should not double their output in a few years, with the advance in knowledge and improved stock and methods in the business. In this country we consume nearly all of our poultry products, as in exports Russia is first, followed in order by Hungary, Austria, Italy, Denmark and France. In Europe, Germany has the largest number of fowls, but consumes most of its product. In this country Missouri, which has accurate figures, marketed over \$39,000,000 worth in 1906. While Tennessee cuts a respectable figure with an estimated product of from 16 to 18 millions of poultry, with improved methods Tennessee can easily quadruple this amount.

* * *

We have been reading reports from all over the country, both on market and fancy poultry. The opinion is unanimous that market prices will be higher even than last

High Prices. year, which, in places, was the highest since war times. In the fancy business there seems to be a prospect of the best of prices. The demand is greater than usual, while the supply is unusually small. The unseasonable weather last spring when the season was reversed at the wrong time, made it an unfavorable one for young stock. Of conditions in the East *The Stock Keeper*, of Boston, says:

"The East is being thoroughly searched for early show birds by wide-awake exhibitors. But early birds are mighty scarce and where there are any, the owners feel reluctant to part with them as a rule, believing prices will go higher as the weeks roll on. The Jamestown Exposition show the end of October, several important shows in November, followed in the middle of December by the Madison Square Garden exhibition

SHAPE ON FEATHERS.

We all know that breeding fowls according to the Standard does not affect their usefulness in a commercial sense; in fact it helps to produce stock which lays better and is better for market too. The reason for this is that in framing the Standard, the makers of the same had in view, the holding up of an ideal fowl, to produce which required the breeding of the very best specimens, in vigor, size and vitality. All of these points go to make the best layers, the best meat producers. They also are vitally necessary to produce the finest beauties. That utility was the major consideration in framing the Standard is shown in the large number of points given to shape, and in the instructions to judges as a guide for their awards, particularly in comparison judging.

All of this being true, we think it is harmful to the poultry business, to the A. P. A., which is the author of the Standard and to the breeders who are guided by it that the majority of our judges allow themselves to be carried away by fine feathers, and extra large size to the detriment of shape. The Standard gives the vital points in comparison, valued in the order named. We quote: "It is desirable that the judge recognize and reward those specimens that come nearest to the ideal in shape, size and weight, still giving the vital matter of correct plumage full credit."

The order is first, shape; second, size; third, weight; last, feathers. The majority of judges have it: first feathers; second, size; third, weight; last, shape.

The correct rule in breeding is to get the plumage as beautiful as possible on a correct shape. This preserves usefulness and beauty. We want them together, not fine feathers at the expense of usefulness. After all, the prize winners are few and far between. The ideal which will survive is one which will appeal to and be of use to the great mass of poultry raisers.

The guide for the great mass of breeders is the Standard. Of what use is it, if the judges of our shows are not guided by it? It's all wrong when we see the prizes won by huge fowls of beautiful plumage, pounds over the Standard weight. To be a Standard specimen a fowl must conform to weight. The reason a weight is fixed is because fowls carrying that weight conform best to the ideal in symmetry. A breast, for example, can be too broad as well as too narrow. We have seen a judge declare a fowl to be the best shaped specimen and then award it fifth or sixth belying birds snow white, its true, but with poor shape. After a judge gets experience, he uses the Standard as a reference book. He should study the Standard all the time and then try to judge by it; then there will be uniformity. We will all have the same guide to go by.

It has gotten so now that exhibitors pick the fowls for certain shows, according to who is judge; not by the Standard. We have heard a couple of rival breeders say, "Well, I'll win at one show, you at the other; Judge — likes them this way; Judge — the other." If these judges will subordinate their private opinions to the Standard the above would not be possible.—T. L. B.

ELECTRICITY.

The latest development in hatching and brooding is the use of electricity to produce the necessary heat. While yet in its infancy, the practical application of electricity promises to have a great advantage over other methods of producing heat. As used now, there is offered the electroplane, to be applied to any make of incubator. This is in the form of a sheet of metal which goes into the top part of incubator; heated by electricity it radiates heat from above. The other is the electrobator and electric heated brooders, incandescent bulbs being used. Though limited to cities and places where power can be obtained, these machines are a distinct advance in incubation and brooding. If it can be arranged to supply the heat by storage batteries it will be a great boon to those who use brooders where lamps are a great trouble, as well as source of danger; but its great benefit will be in getting rid of the lamp fumes which even in the best makes of brooders, cause of trouble and death among the little chicks.—T. L. B.

SHOWS TOO LONG.

We must have a reform in the matter of length of the Poultry Shows. We cannot do better than pattern after New York, where the time is five days. At the State fairs numbers of fine fowls have been lost or permanently injured on account of the length of these shows. At Jamestown we had the same trouble—a full hospital—and finally it was necessary to cut the show short to save valuable fowls. Five days is plenty of time for the public to see the whole show in.

We hope State Fair managements will take this matter up. If they don't they will find few of the best fowls entered in their show.—T. L. B.

BORROWED PLUMES.

We are running this paper some for pleasure, largely for profit. Our stock in trade is our reputation earned by our past record and the brains study and hard work we put into the production of THE HEN. We want to help all those interested in poultry to the best of our ability. We have no mortgage on all ideas, so when we find good ones, we publish them, giving the paper from which they come full credit. All we ask in return is that we get credit for articles republished from our paper. The occasion for the above is the appearance lately in a Nashville daily paper of two columns of poultry news all of which except two items was clipped from our October number, without any mention of this fact. We want to help all we can, but we think we are entitled to full credit for what we contribute to the good cause of poultry progress.—T. L. B.



"SOUTHERN PRINCE."

Owned and bred by Mrs. J. C. Shofner, Mulberry, Tenn. Weight 50 lbs. at 18 months. Score 97½ as cockerel at Middle Tenn. Poultry Show, Nov. 1906, winning first prize and special Loving cup for highest scoring bird in show of 2000 birds. Son of "Goliath" weight 48 lbs. at 19 months of age. Score 97½ points, winner of six prizes in one season.

SPECIALTY CLUBS.

One of the greatest means towards progress in poultry is the specialty club. It's good for the breed, good for business, good for the shows. Where would the Rhode Island Reds be to-day were it not for the club with its publicity and push. A shining example of what a club can do is shown in the great class of Buff Plymouth Rocks shown at Jamestown. Join the club of your favorite breed; help push it along. The association is pleasant; it does you good, does poultry good, does us all good.—T. L. B.

PROMPTNESS.

Be prompt, first, last and all the time. We have no idea of how important this is in the poultry business. It may mean your success or failure. Time and again, the man who answers inquiries first is the one who gets the orders. Now that the season for selling fowls and eggs has opened up, make up your mind to answer all letters the day you receive them. It will help you, help your customers, help business.—T. L. B.

MOISTURE IN INCUBATORS

WRITTEN FOR THE INDUSTRIOS HEN BY N. A. KING

I AM just in receipt of Bulletin No. 102, of the Utah Station at Logan, Utah, published June, 1907. It is a most valuable bulletin inasmuch as it treats on a very perplexing problem of supplied moisture and non-supplied moisture to incubators. There are several machines on the market, the makers of which claim no moisture need be supplied to their machines. A good many good hatches are reported from parties who claim to have followed the directions which call for no moisture. Had these people used moisture how much better their hatches would have been we do not know. I believe that after an operator becomes familiar with his machine and the surrounding conditions he can have better success by using his head than by following the directions to the letter. Directions on every machine say, among other things, not to open the doors after the eighteenth day until the hatch is over, and no moisture need be supplied during the hatch. We run the machines the very opposite on our farms, using, of course, a reasonable amount of judgment in the matter. Here is our method, and while others who may use it may not get as good results as we do, still it shows how very much variation from the directions can be used and still a good percentage of chicks be hatched.

Starting on the evening of the third day we turn and air the eggs twice daily. During the first week we lay the eggs on top of the machines and turn them slowly and when they feel cool to the hand, place them in the machine again. The second week we air them about five to ten minutes, both morning and evening. The third week we air them from fifteen to twenty minutes, morning and evening. But in all things we use judgment, studying the FEEL of the egg rather than the time. Another thing we do is to turn the eggs frequently at noon by opening the machine and pulling out the trays. This we do if the temperature goes above 103 $\frac{1}{2}$. As soon as the eggs pip we sprinkle them good with warm water. Give them a good wetting, turn the lamp up slightly for about three minutes so as to counteract or warm the moisture as much as possible. When the chicks start to come out, and if they look dry and pasty we again sprinkle the eggs. Continuing this treatment until the hatch is over. Another thing we do is to help the chicks out of the eggs long toward the last of the hatch. Take the empty shells out of the trays and put the chicks from the trays into the nursery below, thereby giving the unhatched and picked eggs more room. Our average for this year has been about 90 per cent of fertile eggs set.

In the bulletin referred to above the number of chicks hatched with maximum moisture were 229, medium moisture 193, no moisture 121. The bulletin says: "It will appear by a study of these tables that nearly a hundred per cent better hatches were obtained by the use of moisture and there was no contradiction in all the tests though there was still room for improvement." Under the heading "Weight of Chicks," the bulletin says:

"The chicks were weighed when taken out of each machine." It was found that the weight varied with the method of hatching. The following gives the average weight of chicks hatched with maximum amount of moisture, no moisture or medium moisture, also the average of hen hatched chicks:

Maximum moisture, per chick	1.181 ounces
Medium moisture, per chick	1.159 ounces
No moisture, per chick	1.072 ounces
Hen hatched, per chick	1.258 ounces

As the moisture was greater the chicks hatched heavier, the maximum moisture chicks averaging about 10 per cent heavier than the no moisture chicks. Chicks hatched by hens average 1.258 ounces each, or 6 per cent heavier than the maximum moisture incubator chicks. The results of the weighing would indicate that vigor in the chicks demanded a greater amount of moisture during incubation than the incubator, as at present made, can furnish. Another point has been brought out in our moisture tests. The evidence is somewhat contradictory but our tests seem to indicate that proper germ development can not take place where the proper conditions of humidity do not exist. Our records show that a larger number

of eggs were tested out of the dry machines (where no moisture had been used) as infertile or dead than out of the moisture machines.

It would require too much space in this paper to give all the valuable data the bulletin contains, but anyone who is at all interested in such experiments as those outlined in Bulletin No. 102 can obtain same by addressing a post card to Prof. James Dryden, Logan, Utah, care Agricultural College.

The bulletin treats on the following subjects, each one of which is thoroughly gone into in a most concise manner, leaving no doubt in the reader's mind that he could profitably follow its teachings. The subjects covered are:

1. Housing As It Affects, (a) Fertility of Eggs; (b) Egg Yield; (c) Size of Egg.
2. Artificial Incubation, (a) Effect of Supplied Moisture; (b) Carbon Dioxide as a Factor in Incubation.



Alstead Duncan, 8 months old, owned by M. I. Hunter, Johnson City, Tennessee.

The man who does not like hens had better not try to keep them. He will not do well by them, and they can not do well for him.

Sometimes bread will get so stale and hard that it can not well be used in the house. The hens will use it to the best possible advantage. Don't waste it; give it to them.

The color of a hen often makes us a friend to her. If we like white ones best, they are the ones we should keep. So with the black ones and the brown ones.

Keep the nest boxes as neat as a pin. A hen knows the difference between clean things and filthy ones. Don't make her do her work in a nasty kitchen.

Do not let the supply of shells and grit run out. Hens can not make good eggs without grit any more than you and I could make bricks without straw.

Look over the ads and see what good company you have missed being in. Now's the time to get in. THE HEN gets the business, sells the goods.

Tell your friends to subscribe now. Try trap nests this season, if only a few, it's the only sure way to tell your layers. Catch them with the goods.



TURKEY DEPARTMENT

CONDUCTED BY MRS. J. C. SHOFNER, MULBERRY, TENN., TO WHOM INQUIRIES SHOULD BE MADE. ALL QUESTIONS WILL BE ANSWERED IN THIS DEPARTMENT THROUGH THE INDUSTRIOUS HEN.

Turkey Talk.

Late hatched turkeys are not desirable for breeders and not as profitable for market as the earlier hatched birds. Turkeys cannot be hurried about laying as hens can by giving egg-producing foods. I do not feed my turkeys at all except in the coldest weather, when there is snow on the ground, as they pick up all grain they need where one is feeding hogs and other stock. Turkeys are by nature farm birds and cannot be raised successfully in confinement. A semi-confinement works all right during the breeding season. My turkeys have been yarded during the breeding season for so many years that domestication is inherent in the flock and they drop right into the habit of going into their three-acre breeding yard as naturally as cows go into the pasture in which they have grazed for a long time. I have very little trouble with my turkeys in this respect.

It is not a difficult problem to raise the young turkeys if one knows the art of feeding and caring for them, controlling their wanderings by seeming to let them have their own way and cajoling them into your way without letting them know you are running the business. I keep them confined in large, airy coops for three to five days, according to the weather, and then they are allowed their liberty after the dew is off in the morning until 4 o'clock in the afternoon, when they are driven into their coops. The coops are moved a little each day, so that the poult's have clean roosting ground. They must not be allowed to stay out a single night, or they will soon acquire a roving nature and will go back to their natural gipsy life, roaming on and on until they hardly know themselves where they belong, and somebody miles away may claim them.

The first six weeks or two months of a turkey's life is the crucial period of its existence. A great many people seem to think the newly hatched poult's want something to eat the moment they are out of the shell, when the fact of the matter is they bring their dinner along with them in the shape of the yolk of the egg which is absorbed into the body just before they leave the shell and which is enough to sustain them for two or three days. When they do get hungry, the least little bite does them for a while. Some feed five or six times a day, but I feed only three times, just what they will eat up clean.

Turkeys are not used to having their food shoveled out to them. They were created for a specific purpose, the same as insect-eating birds, and it was intended that they should get their food by traveling around and hunting for it instead of having it handed out by the bushel. The fact is, the Creator intended that every living thing should work for a living. Even man, who considers himself the lord of creation, has to work or beg or steal, unless he has a competence.

My turkeys are turned out at three days old in the middle of the day and fed on hard-boiled eggs, put in cold water and brought to a boil and boiled for one-half to one hour. I feed this for a few days then chop dandelion leaves with the egg and mix with curd for a morning feed, with just a little chick grit added. At noon I feed sour milk curd and at night I chop onion tops or onions and mix with the egg and curd, giving just what they will eat up clean in a few minutes. A turkey develops an enormous appetite, and if you feed all they will eat you will see one and another of them at intervals begin to go slow and act sort of mopeish, nothing apparently very much the matter with them, only they seem to have that tired feeling that some people complain of, getting slower and more mopeish gradually, until finally they give up and turn their toes skyward.

I can tell you how you will find the liver of one of these slow-walking turkeys if you will take the trouble to make a post-mortem examination. You will find it covered with white or yellow spots, and if you will cut into it you will find that these ulcers extend clear through the organ. The cause is overfeeding with improper food. My way of feed-

ing so much green food and food that acts directly on the liver is the reason that I have such good success. It is the natural way to feed them. Nature's food consists chiefly of insects and green food.

I learned long ago that turkeys and chickens could not be raised together, especially where the chickens were fed any corn or corn meal. Turkeys, ducks and chickens require different food and different care.—Mrs. Chas. Jones, in *Commercial Poultry*.

MAMMOTH BRONZE TURKEYS

WHITE PLYMOUTH ROCKS, PEKIN DUCKS

I won the blue on all these at Great Appalachian Fair. My turkeys are large in size and beautifully marked. Young tom weighed 32 pounds. I have the finest turkey range in Tennessee.

MRS. J. M. SUSONG, - Newport, Tenn.

FINE VIEW POULTRY YARDS

W. P. Rocks and Bronze Turkeys

My birds are the combination of direct descendants of the Chicago World's Fair, Madison Square Garden, New York, and St. Louis World's Fair winners. Have spared neither pains nor money to obtain the best in the world, with an eye to beauty, size, laying qualities, and superior individuality.

Eggs now at half price, \$1.00 per 15.

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1000 BUFF ROCKS

Large, clear, rich, Golden Buff birds. Sired by the noted "King George," Jeffersonville and Louisville winner. Rich under color, clear wing and many free from smoke or peppering in tail.

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The get of the Great World's Fair 48 pound First Prize Tom.

Booking engagements now for future show dates, score card or comparison, all varieties. Write

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S. C. B. Leghorns, S. C. B. Rocks,
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Sired by State Fair winning Tom. Fine lot of young turkeys for sale.

Barred Plymouth Rocks and White Wyandottes that score high now ready to ship. Address

R. H. YOUNG, R. 5, WATERTOWN, TENN.

MAMMOTH BRONZE TURKEYS BRED FOR UTILITY. BRED TO WIN.

PRIZE WINNERS AT SOUTH'S GREATEST SHOWS:

At Nashville 1906, 1st Cockerel, 2nd Pullet. At Nashville 1907, 1st Cockerel, 2nd pullet. At Knoxville 1906, 1st Cockerel, 1st Pullet, 1st Tom, 1st Hen, and every Special.

BARRED PLYMOUTH ROCKS FROM PRIZE WINNING STRAINS OLD AND YOUNG—STOCK OF BOTH FOR SALE.

ADDRESS MRS. W. J. LANDESS,
ROUTE 5. FAYETTEVILLE, TENN.

MAMMOTH BRONZE TURKEYS B. P. ROCK CHICKENS AND POLAND CHINA HOGS

"Goliath," at 19 months old, weighed 48 lbs., scored 97½ points, won first prize at Nashville show, January, 1906; also two specials for largest fowl in show. I also won 4th hen and 4th pullet, score 95 points. At North Alabama show, December, 1905, I won 1st on yearling cock "Goliath," 2nd on yearling hen, special \$5.00 on pair, 1st on cockerel, 1st on pullet, special \$5.00 on young pair. Goliath heads my flock of breeding females, 1906, six of which are daughters of "Jumbo Jim," the 47 pound, 18 months old tom that won 2nd prize at World's Fair, St. Louis, 1904. I also have 1st and 2nd prize winning pullets at Columbia, Tenn., in my flock. I carry B. P. R. chickens of best prize winning blood—Bradley Bros. and Sid Conger strain direct. Young and old stock for sale. Patronage solicited and everything guaranteed as represented. For further information address

MRS. J. C. SHOFNER

R. F. D. No. 1, Mulberry, Tenn.



CONDUCTED BY C. H. HAKES, LUDLOWVILLE, N. Y.

To Distinguish Sex of Pigeons*Written for The Industrious Hen.*

There is no hard and fast rule in regard to determining the sex of pigeons. Several methods are in vogue, but none can be absolutely depended upon. When observing a loft of birds one notices that the male bird does considerably more cooing and turning around, in fact the hen seldom coos. A cock when cooing will turn completely around two or three times, while a hen, when she coos, never turns but half way around. Oftentimes you see a bird chasing another indoors and out. The one doing the chasing is the male and the one being pursued is the female, his mate. The method of examining the vent bones is quite reliable. In a cock the bones are crooked and almost touch; in fact in some birds do touch each other. In a hen the bones are straight and are from a quarter to a half inch apart. This is due to their nature of laying eggs. In a hen bird that has never laid, of course the bones will not be so far apart as one that has laid many times. This I find the easiest and best way to determine the sex.

C. H. HAKES.

Transferring a Squab.

Sometimes, even with right feeding, a squab will be observed to be of light weight, being much smaller than its nest mate. If there is, in the pigeon house, a nest with only one squab of the same size as the weakling, it is a good practice to transfer the latter to this nest, where the parents of the young squab will feed both, usually with good results. It must be remembered, however, that no change of this kind should be made until after the squab is a week old, or during the time the parents are furnishing "pigeon milk."—C. H. Hakes, in *Pigeon Culture*.

Loss of wing power in your pigeons may be brought about in various ways. It may be caused by the bird being down in condition, by an accident, by insects, by a cold, by unsanitary conditions in the loft, or by unsuitable food, such as peas which have been allowed to get dirty or mouldy through being kept in a damp place. Another very important point in preserving strong wing power is to supply grit. Many overlook this, which is a great mistake. Always have within reach a brick block of table salt; the bath is also necessary in preserving strong wing power; cod liver oil is also good given in the form of capsules, one or two at night. Weakness, as a rule, produces loss of wing power.—*Fanciers' Review*.

Pigeons as Pets.

Nothing is more pleasing to the young folks than to possess pets of some kind. Children must have recreation and something to attract their attention. Whenever you find a boy or girl so fond of their pets as to stay at home and care for them, they should be encouraged. There is nothing more instructive than nature study, so-called. Children that learn to care for pets successfully of any kind are usually kind hearted and well-behaved. Nothing could be more attractive than a few pigeons of bright, rich colors, that can be kept in a small dove cote, with an enclosure where the children can care for them themselves. This teaches them responsibility. If the parents will lend their aid a little in instructing the children about keeping the quarters in a cleanly condition, and to properly care for and feed the birds, they will accomplish more for their children than many imagine.

For instance, which is the best for the boy, to have his poultry, his rabbits, or his pigeons at home to care for and to have the proceeds of any sales he may make from them, or for him to loaf around the corner or in the back alleys learning to smoke, use bad language and play truant from school? Surrounding influences form our lives and most certainly a child will not learn bad habits from the keeping of innocent and desirable pets. In selecting pigeons for the young children there are many kinds that are inexpensive. Fantails, Tumblers, Turbits and Homers, all of which are beautiful and desirable varieties on account of their thrift, vigor and the ease with which they may be mated and cared for. It is not best to select the high-class, difficult kinds for the beginner, but always make it a point to have stock for them that is likely to produce such quality that may find a ready sale.

POULTRY AND PIGEON SUPPLIES

for every need. Incubators, Brooders, Foods, Remedies, Fixtures and appliances of many kinds in our large and complete stock. Our old, Standard

KEYSTONE FOODS

for Poultry, Pigeons and Chicks are more popular than ever. If you don't use them you are losing part of the profit that should be yours. Get our prices. We can save you money. Booklet and useful Souvenir free. Write

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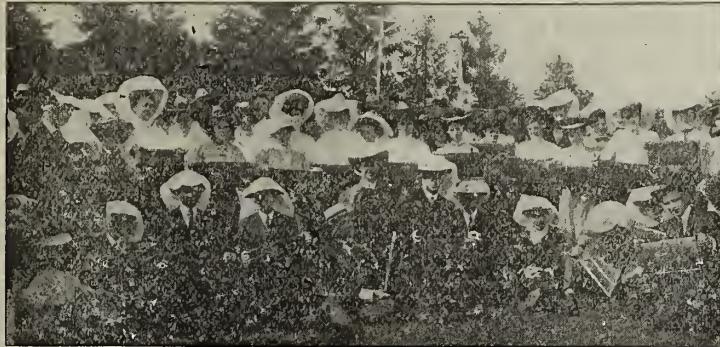
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THE HONEY BEE

This department is edited by Mr. G. M. Bentley, University of Tennessee, Knoxville, who will answer questions referred to him. Persons desiring reply by mail must enclose 2c stamp.

Timely note; Buy your supplies at this time and get advantage of the discounts.



Students in Bee Keeping.

The following bulletins have recently been published; all interested in bee culture will care to send for them:—Bee Culture, Bulletin No. 18, New Zealand. Dept. of Agr., Wellington, New Zealand. Practical Beekeeping, Bulletin,

No. 67, Montana. Agr. College Experiment Station, Bozeman, Montana. Report of Inspectors of Apiaries, No. 70, U. S. Dept. of Agr. Bureau of Entomology, Washington, D. C.



Apairy.

Professor L. O. Howard, Chief of the Bureau of Entomology, U. S. Department of Agr., in his introduction to Bulletin No. 1, on "The Honey Bee" says of bees and bee culture,—

This branch of agricultural industry does not impoverish the soil in the least, but, on the contrary, results in better seed and fruit crops. The total money gain to the country from the prosecution of this industry would undoubtedly

be placed at several times the amount of \$20,000,000 were we only able to estimate in dollars and cents the result of the work of bees in cross-fertilising the blossoms of fruit crops. In support of this it is only necessary to refer to the fact that recent investigations of another Division of the Department have shown that certain varieties of peas are nearly or quite sterile unless bees bring pollen from other distant varieties for their complete cross-fertilisation.

Winter Course In Agriculture.

Special attention is hereby called to Courses VI and VII of the Short Winter courses in Agriculture to be given at the University of Tennessee, Knoxville, Tenn.

February 27—March 11

Course VI—Study of the Habits and Development of the Honey Bee; Types of Bees; Management of an Apiary; Types of Hives; Culture of Bee Plants.

February 27—March 11

Course VII—Domestic Science, including study and preparation of human foods and food rations; Home adornment. Dairy, Poultry, Bee Culture and Horticulture.

UNIVERSITY OF TENNESSEE.
KNOXVILLE.

Dec. 4, 1907.

My Dear Sir:

In that you are a bee keeper you doubtless will be interested in the short winter course in Bee Keeping that is to be given at the University of Tennessee, beginning February 27th and ending March 11th. There are no requirements necessary for the entrance to this class and the course is free to all. We have assurance of some prominent outside speakers to address these meetings at different times during the course aside from the regular class-room work, which will cover about eight hours a day. These persons are Dr. Phillips, head of the Agricultural Department of the United States,

Washington, D. C., Mr. A. L. Boyden, of the A. I. Root Co., Medina, Ohio, with others, and some six of the prominent, successful bee keepers in Tennessee. The nature of the classroom work will be in the form of lecturers, using lantern slide views and all kinds of apparatus and equipment to simplify the discussions. Practical work will be conducted as in a regular apiary, and visits will be made to nearby bee farms.

I am enclosing herewith an announcement of the short winter courses which gives the list of subjects taught, also the prizes to be given to contestants. I wish to call your attention to the \$10.00 prize in bee keepers' supplies awarded for the best essay on "Why Bee Keeping Should be Encouraged in Tennessee," given by the A. I. Root Co.

If you think you can take advantage of a part or all of this course, kindly let me hear from you at an early date.

Very truly yours,
G. M. BENTLEY,
Ass't, State Entomologist.
Instructor of Zoology and Entomology.

SILVER LACED WYANDOTTE

EGGS 15 FOR \$3

S. C. W. LEGHORN EGGS 15 FOR \$1.50

MRS. C. S. JONES, Columbus, Miss.

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**BROWN
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Males with best stripe in hackle and saddle; females with penciling and color that wins. 50 First Prizes won. Eggs from these winners reasonable. Circular showing Chicago, Boston, Madison Sq. Garden winners, free.

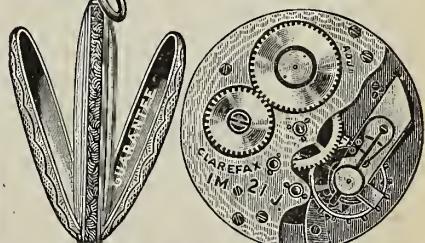
W.H. WIEBKE, Box 348, Ft. Wayne, Ind.

Closing Out Sale

Not disgruntled, but on account of the press of other business and bad health I am forced to let my beauties go. Partridge, Silver Pencilled, Golden Buff Wyandottes; Buff Rocks and Light Brahmans; Bantams; three incubators and three Brooders One Humphreys Bone Cutter. All must go. Send in your order quick.

Partridge Wyandotte Park
Burlington, N. C.

This \$20 Watch for \$5.45



These figures tell exactly what we are doing—selling a \$20.00 watch for \$5.45. We don't claim that this is a \$40.00 watch or a \$50.00 watch, but it is a \$20.00 watch. A leading watch manufacturer, being hard pressed for ready cash, recently sold us 100,000 watches—watches actually built to retail at \$20.00. There is no doubt that we could wholesale these to dealers for \$12.00 or \$13.00, but this would involve a great amount of labor, time and expense. In the end our profit would be little more than it is at selling the watch direct to the consumer at \$5.45. This Clarefax Watch, which we offer at \$5.45 is a rubbed jeweled, finely balanced and perfectly adjusted movement, it has specially selected jewels, dust band, patent regulator, ornate dial, jeweled compensation balance, double hunting case, genuine gold-laid and handsomely engraved. Each watch is thoroughly timed, tested and regulated before leaving the factory and both the case and movement are guaranteed for 20 years.

Send us your name, post-office address, and nearest express office and name of this paper. Tell us whether you want a ladies' or gent's watch and we will send the watch to your express office at once. If it satisfies you, after a careful examination, pay the express agent \$5.45 and express charges and the watch is yours, but if it doesn't please you return it to us at our expense.

A 20-Year guarantee will be placed in the front case of the watch we send you and to the first 10,000 customers we will send a beautiful gold-laid watch chain, Free. We refer to the First National Bank of Chicago, Capital \$10,000,000.

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If You are Interested in Bees or Honey

You should by all means subscribe for the leading Bee Paper of this country

GLEANINGS IN BEE CULTURE

A 64 page semi-monthly paper devoted to Bees and Honey and home interests.

This paper is fully illustrated with the most attractive illustrations of apiaries, appliances, etc., and has a special illustrated cover each issue.

Trial subscription six months for 25c, money returned if not satisfactory.

THE A. I. ROOT CO., MEDINA, OHIO

P. S.—When ordering the above if you will mention THE INDUSTRIOUS HEN and request it we will send you your choice of two of any of following 10c pamphlets.

Facts about Bees.
Habits of the Honey Bee.
Beekeeping for Women.
Beekeeping for Clergymen.
Hints for Amateur Beekeepers.

THE DAIRY

Edited by James N. Price, R. S. A., Instructor in Dairy Husbandry at the University of Tennessee

An invitation is extended to our readers to contribute their experience to this department. Inquiries answered.

The Dairy.

Did you ever stop to consider how much a silo full of silage, and a good supply of cowpea or sorghum hay would cut down the feed bill?

These high prices of feeds make a fellow wonder where the profit is coming in.

The man who was caught without a supply of silage, corn stover, cowpea or soy bean hay is at the mercy of high prices.

It is too late to worry about it now; last summer was the time to plan for the winter feed.

To raise corn and put it into the silo will cost you about \$2.00 per ton, corn stover \$4.00 to \$5.00 per ton and cowpea and soy bean hay will cost about \$5.00 to raise them.

By making corn stover or corn silage the bulk of the roughage, with about 10 or 15 lbs. of cowpea or sorghum hay to take the place of some of the high priced grains, the cows can be fed very cheaply, and at the same time fed well.

But when you raise no cowpea or sorghum hay and let your corn stalks stand in the field and then have to pay \$20.00 for hay and \$30 for cotton seed meal, wheat bran and other concentrated feeds it is going to take about all your cows produce to pay for their feed, unless you have a pretty good herd.

This winter's experience will be a pretty hard lesson for some dairymen, but let it soak in good and deep, and next winter will find you with plenty of home grown feed.

WHERE DO YOUR COWS STAND?

The Illinois Experiment Station has made fat tests of over 500 dairy cows and the results of these tests throw much light on profitable and unprofitable dairying.

They found that one-fourth of these cows produced only 133 1/2 lbs. of butter per year, returning a profit of about 77 cents per head, while the best one-fourth produced 301 lbs. of butter per year, returning a profit of \$31.32 per year.

These profits are figured on costs of feeds alone.

If labor was considered, the 133 1/2 lb. cow would yield no profit. If a man did all his own work with a herd of 20 cows like these he would receive only \$15.40 for his year's work.

Of course he would have his manure to return to his land, but then, he would get just as much manure from a herd of good cows as from a herd of poor ones.

This same man while caring for a herd of 301 lb. cows would receive for his year's work \$626.40.

These conditions are not exceptional, but have been found to be the rule wherever a large number of dairy cows are tested. What does it mean?

It simply means that from one-third to one-half of the dairy cows are kept at a very small margin of profit and many are kept at a loss.

In Connecticut a test was made of 47 herds furnishing milk to one creamery. It was found that only one herd out of 47 averaged 300 lbs. of butter per year, and that 8 herds out of 47 produced less than 150 lbs. per cow.

The average of the 47 herds was 199 lbs. per cow. At the time this test was made Connecticut conditions required that a cow must yield 250 lbs. of butter per year, before she was profitable. The average of these 47 herds was 51 lbs. below this requirement. In other words the average loss was \$11.73 with butter fat at 23 cents per lb.

There are no doubt many such unprofitable cows in Tennessee. How many have you in your herd? You do not know. Neither can anyone tell you without applying the Babcock test and the milk scales to your herd for a year.

If you would know which cows are profitable, and which are not, it is absolutely necessary to weigh and test the milk of each cow. No dairyman would trust a man with his pocket book unless he knew him to be honest, yet he will let one cow take out of his pocket the dollars that another cow is putting there. This fact is well illustrated by the results of careful records kept by the Connecticut Station. In 1899 their herd of 20 cows cost per head \$92.86 including labor, shelter, interest in value of cow and cost of food, and yielded a total income per head of \$91.63 including value of butter fat, skim milk, manure and the calf, making a loss of \$1.23 per cow. The poorest cow in this herd was kept at a loss of \$40.03 and the most profitable at a profit of \$26.09.

Ten cows out of the 20 were kept at an average loss of \$14.36 per cow.

If the ten unprofitable cows had been sold and only the ten profitable ones kept the profit for the year would have been \$119.82 against a loss of \$24.60 on the entire herd.

"Well" you say. "What am I to do if I find a large per cent of my herd is unprofitable? I can't get much out of the cows for beef—What I could get for the two would buy only one of your 300 lbs. of butter a year kind."

Well, what if this is true? The sale of these unprofitable cows will only add a little more tough steak to the boarding house fare, and one 300 pound cow is worth more than two, yes, than a half dozen unprofitable ones for the dairy business. In fact the more unprofitable cows you have in a bunch the less they are worth for the dairy business. One such cow can eat up your money fast enough, and if a fellow had a whole herd, he would have to call for clearing house certificates to buy feed with.

The thing to do is to go about improving your herd in a business like way. After the scales and test have pointed out the unprofitable cows, sell the poor animals and keep the good ones. Buy the best registered dairy bull you can afford, and save the heifers from your best cows. As these heifers come in milk sell off the poorest of your old cows, retaining only the best ones. Keep up the testing to show up your heifers. If any prove below the standard send them to the butcher or to the fellow that says, "It is too much trouble to weigh the milk;" and he don't think there is any profit in dairying no how."

This plan if carefully followed will improve a herd very rapidly.

For example let us look at the improvement in the Connecticut herd mentioned above. By careful selection and weeding out, and by keeping calves from the best cows this herd, which was kept at an average loss of \$1.23 per head in 1899 and contained ten unprofitable cows in a herd of 20, had been so much improved that in 1903 the herd yielded an average profit per head of \$21.69 and there was only one unprofitable cow in the herd.

Here we have a herd that made the owner poorer in 1899 by \$24.60 and were so improved in 5 years that they returned a profit of \$433.80.

Isn't this worth the time and trouble it takes to weigh and test? And this is only one of many cases where such improvement has been made.

Then when a dairyman keeps milk and butter records of his herd, he knows what he is doing, and is not simply guessing at it.

THE N. Y. TRIBUNE-FARMER
Illustrated Weekly, one year - - \$1.00
The Industrious Hen, one year - - .50

\$1.50
The two one year for \$1.00 if subscription is sent to this office.

S. C. R. I. REDS

COCKERELS
\$1.00 Apiece
= NOT CULLS =
RED CLOUD STRAIN

J. W. BROWN
THORNGROVE, - TENNESSEE

Sam M. Cooper,
Breeder of

High Grade S. C. R. I. Reds
and R. C. White Leghorns
FOUNTAIN CITY, - TENNESSEE

Mother Hen Brooder



The only Adjustable Suspension Brooder made.

Heated by warm water. Temperature always uniform. Warm watertank above chick with loose flannel covering underneath under which the chicks hover just as with the hen. Warmer applied from above and chicks cannot crowd. No heat below to burn their feet. No steps or bridge to climb. No lamp fumes or burnt air to breathe. Lamp above chicks and has safety smokeless burner. Can be adjusted in height as chicks grow. Shipped on 15 days trial. SEND FOR CATALOG.

Automatic Hatching Co., 39 State St., Detroit, Mich.
Mfrs. of the only Non-freezing Poultry Fountain.

First Cockerel, World's Fair



255 Premiums

AT

19 Big Shows

UNDER

21 National Judges

IN

4 Years

IS THE RECORD OF
MY FAMOUS

Brown Leghorns.

Compare this with other breeders before placing your orders for stock and eggs. My circulars are free.

E. E. CARTER

KNOXVILLE, TENN.

Member Amer. S. C. Brown Leghorn Club

GRANDVIEW FARM, PHOENIX, ALA.

Thoroughbred

Rhode Island Reds
Buff Orpingtons
Silver Wyandottes

Eggs from grand pens headed by prize winners at Birmingham, Macon, Augusta and Charlotte, \$1.50 for 16.

ANGORA GOATS

All correspondence should be addressed to Reginald Forwood, Garfield, Ark., and if a direct answer by mail is required a remittance of 25 cents should be sent.

The Goat Business in Arizona

J. F. Burns, of the Las Crescente Canyadi owns the largest and highest grade herd of goats in Pinal County, his herd numbering over 2500 head. The herd brought him in over \$3000 during the year 1906, says the Arizona Blade. He received 36 cents per pound for his best grade of mohair, and the entire crop averaged 29½ cents per pound. He sold to Boston buyers. He marketed his surplus kids in Tucson and could have sold there, at good prices, five times the number he had for sale. He is making a great success of the goat business and could not be induced to change back to the cattle business. He had with him a beautiful lap robe made of some of his goat pelts. They make a light, warm and perfectly water-proof robe. He states that a large factory in Wyoming is now engaged in manufacturing all kinds of robes, rugs and clothing out of these goat pelts and the demand for the goods is growing rapidly. Clothing made of these pelts is not only rain and wind-proof, but also elegant in appearance.—Oregon Agriculturist.

Valuable Book on Angora Goats.

"Information Concerning the Angora Goat" (Bulletin No. 27 of the Bureau of Animal Industry, United States Department of Agriculture), a government publication but recently issued, should be in the hands of everyone now owning Angora goats or investigating this most promising American live stock industry.

The book is one of seventy-seven pages and fully illustrated with pictures of bucks, does, kids, mohair and mohair-plush, as well as illustrations showing the work of Angoras in reclaiming waste, brushy land. It gives the history of Angora goats in the United States and much valuable statistical information relating to the number of goats in this country, and the production, importation and use of mohair.

Its chapters on the care and management of these animals, localities adapted to Angora goat raising and relating to the ability of Angoras to clear and reclaim brushy land and to the benefits to be derived, other than from their fleece, i. e., from their meat, skins and milk, protection for sheep and enrichment of land, go to make up a most interesting work on this subject. It should be read by everyone in any way interested in Angora husbandry.

As with all similar government bulletins, copies are placed at the disposal of members of Congress who will cheerfully respond to the requests for the book received from their constituents. Your congressman will be pleased to have a copy sent to you by mail if you will but write to him for one. Do so without delay to insure receipt of your request before the supply is exhausted. The book will interest you and help you.

Angora Goat Notes.

It is said that the quality of Cape mohair is deteriorating, but the soothing fact remains that the quality of American product is fast improving.

An occasional trimming of a goat's hoof does not come amiss, as it prevents the collection of foul matter, which is sometimes the forerunner of foot-rot.

Some authorities claim, with just cause, that while the Angoras have a natural love and instinct for climbing fences, etc., they are less troublesome in this respect than common goats.

We are told that the United States is almost a goatless country, compared with others, and that the importation of goatskins, young and old, aggregate \$25,500,000 a year—which represents the slaughter of 17,000,000 goats and kids.

Philo Ogden, the California goat breeder, says that his mohair from the registered home flock this season averaged 48 cents per pound, including tags and bucks' fleeces.—*Pacific Farmer.*

PILLING CAPON TOOLS

On the market capons bring double price and are cheaper and easier to raise. Caponizing is easy and soon learned. A Pilling Capon Set will enable you to caponize all your young cockerels and add greatly to your profits. Sent prepaid with "easy to use" directions, on receipt of \$2.50. Anyone can do it. Write for free book on caponizing.

G. P. PILLING & SON CO.
Arch Street, Philadelphia, Pa.

THOROUGHBRED

Angora Goats for Sale

From Registered Stock. Nothing better to be had anywhere. \$20 per pair. One year old Bucks, \$10; Kids, \$7.

E. D. SHIELDS
TELICO JUNCTION, TENN.

NORTH ALABAMA POULTRY FARM

Prize-winning Light Brahmans, B. P. Rocks, S. C. Brown Leghorns, White Wyandottes, M. B. Turkeys, Toulouse Geese and Pekin Ducks.

Eggs from these Pens from now until January, half price.

NO TURKEYS FOR SALE.

JULIAN B. WEBB
ISBELL, ALA.

Closing Out Sale

Of Light Brahmans, Black Langshans, White Plymouth Rocks, White Wyandottes

I have decided to devote my efforts in the future to one or two breeds, so the above must go at bargain prices. First come, first served.

CEDAR HEIGHTS POULTRY FARM
Mrs. Lou Lusky, R. 5, NASHVILLE, TENN.

Rose Comb Rhode Island Reds

EXCLUSIVELY

NO PAINS OR MONEY HAS BEEN SPARED
IN MATING MY PENS

Eggs \$1.50 per 15. \$8.00 per 100
W. B. FARRIS, Pulaski, Tenn.

.SPECIAL..

The Industrious Hen, one year - - 50c

Southern Fruit Grower, one year - - 50c

An "Aroma" Grape Vine - - - - 25c

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The three for - - - - - 50c.

AROMA. Red; a new variety; bunches medium; berries the largest we know of; foliage healthy. Ripens the middle of August. A very promising variety, well worth a trial. Not subject to rot.—*From Catalog.* Send orders to The Industrious Hen, Knoxville, Tenn.



The Improved Champion Leg Band

25

PAT. APPLIED FOR

Aluminum or copper, two sizes, adjustable to fit any fowl. Held by double lock. They can't lose off. Initials, 16 cents per 100 extra. Also Pigeon Bands.

THE SUPERIOR
is securely locked; can't lose off; six sizes. State breed and sex. Price postpaid, either kind; No. to suit, 12, 15c; 25, 20c; 50, 35c; 100, 60c. Sample for stamp. Circular free.

Pat. Dec. 23, 1902
Box 760.

T. CADWALLADER,
SALEM, O.

Leslie Johnson's Glorious White Wyandottes

Nobles type of Milton's "Tame Villatic Fowl." For beauty, for eggs, for the table, and even for companionship, the very first choice of chicken-kind. Cockerels, \$2.00, pairs \$3.50, trios \$5.00. Setting eggs \$2.00 for 15, but we give a year's subscription to this paper to all egg customers referring to this ad.

Lullahouse Poultry Farm
Aberdeen, North Carolina

NASH'S REDS R. C. S. C.

S. C. BLACK ORPINGTONS

My Reds won 3 firsts at Ohio State Fair. Also won firsts at Detroit, Lansing, Lima, Toledo, Leipsic and Sidney, scoring to 94% under Butterfield. Black Orpingtons of best strain. Stock circular free.

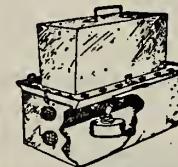
M. J. NASH - JACKSON CENTER, OHIO.

BLACK'S BLACK LANGSHANS

The Original Egg-Laying Strain. Typical Langshans. Large in Size, Grand in Shape, Rich in Color.

Winners in strong competition at leading shows. Choice cockerels, pullets and yearling hens for exhibition or breeding purposes.

A. M. BLACK - The Langshan Specialist.
TAZEWELL, VIRGINIA.



WATERING TANK

That will not freeze. May be used for old or small fowls. We make Metal Feed Coops; Rat, Flea, Lice and Mite Proof Breed Coops and Nests. Catalogue free.

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Dept. I. 318 State Street, QUINCY, ILLINOIS

COMIC COLORED POST CARDS.

We have a large collection of new and beautifully colored comic post cards. Something you never saw before. Send 10¢ for six or 15¢ for 12.

THE INDUSTRIOUS HEN CO.
Knoxville, Tenn.

THE KENNEL

This Department is conducted by WALTER J. HUNTER, Johnson City, Tenn., to whom all queries should be addressed.

Intelligence of Collies.

Probably the most intelligent animal of the present day is the beautiful Scotch Collie. Properly trained, he is a companion ready at all times to do your bidding and obey your wishes; and can be taught almost anything except to talk; decidedly the most sagacious of the canine race. If you wish one for a companion, a protector, a servant or a playfellow for the child, bear two things in mind when you purchase him. Look to his physical condition; be sure he is in perfect health; then look to his breeding and see that he comes from a line of ancestors noted for their size and intelligence. You will then have one that will be a pleasure to you, and the admiration of your friends.

Some one has said regarding the Collie "they are the most pleasing dog I ever saw." And that is true. Always in a good humor, a jolly good fellow, ready for a romp at any time, but never for a cross word or a blow. Not one of my dogs knows what it is to be struck in anger; yet they are as obedient as a child. They are quick of perception and know their master; consequently they are controlled by his will. Is it a wonder then that they are so much thought of, and so much in demand?

It is a well known fact that the human face is a key to character; the expression tells what is in the soul. You who know a Collie can tell by his face what he is as to disposition. His eyes, ears, and nose speak to you, and tell you whether he is gentle or vicious, submissive or vindictive, kind or brutal, dull or intelligent.

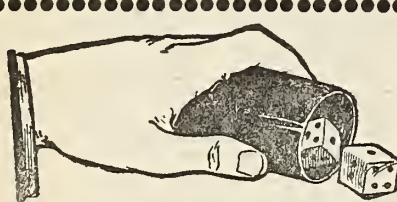
Has it ever occurred to you what fabulous prices are paid for these dogs? When such men as J. Pierpont Morgan, John Wanamaker, and our president, Theodore Roosevelt, invest good round sums of money in a choice specimen, isn't it a pretty safe bet, that they are valuable? What is more pleasing to the eye, than a beautiful sable Collie, with full white collar, breast and legs, with intelligence in his face and expression almost human?

On a farm, where cattle are kept, these dogs are invaluable. They soon learn to know each animal, just where she belongs, will "round them up" for you, and if one gets where she doesn't belong it takes the Collie a mighty short time to find it out, and they soon get her in her place.

I am told that they know when danger threatens a brood of chicks, either by hawks or crows, and scare these birds away from the little family. I know by experience that when anything goes wrong with my chickens, either by day or by night, they make it known by an "unlimited quantity of barking."

Boy's Life Saved by Collie.

Los Angeles, May 16.—The noble work of a homeless brown collie today saved the life of Eddie, the three-year-old son of Mrs. J. N. Lawrin, of San Francisco. Mrs. Lawrin is visiting in this city. While playing on the beach, the boy toddled too near the danger line in the water and the undertow caught and dragged him under. Struggling and helpless, hundreds of people saw the baby carried to death. Then the homeless dog jumped into the surf, swam out and caught the little one and started shoreward. The boy was soon in his brother's arms uninjured. After the baby had been taken care of the dog again rushed into the water and in a short time brought back the baby's cap from the surf.



Barred Plymouth Rocks. White Plymouth Rocks. Buff Orpingtons, Lakenvelders, Silver Laced Wyandottes and Anconas, consult the

BLUE BLOOD POULTRY FARM

P. O. Box 1.

STRICTLY HIGH-CLASS EXHIBITION STOCK A SPECIALTY

CHARLOTTE, N. C.

OUR WINNINGS AT THE GREAT JAMESTOWN SHOW: 6 Firsts, 6 Seconds, 4 Thirds, 3 Fourths and 1 Fifth. 20 prizes on 44 entries, exhibiting five breeds; besides winning the coveted CORNO \$100.00 Silver Cup Prize, demonstrates we have the goods. Catalogue upon application. Stock and Eggs for Sale.



Adjustable Leg Bands

10 for 10¢, 50 for 5¢, 100 for 75¢. Sample for 2¢ stamp. Catalog Free.

H. TURNER TOOL CO.

213 S. Clinton St., Chicago, Ill.

Poultry Panacea and Instant Louse Killer

Guaranteed to give the best results
By Hess & Clark, Manufacturers.

Sold by T. E. BURNS CO.

311-313 Wall St., Knoxville, Tenn.

WECKLER'S BUFF ROCKS

Proved themselves winners again at Indianapolis, the greatest show ever held in Indiana. 1, 2 Pens, 1, 2 Hens, 1 Pullet, 3 Ck., 4 Ckl.; four Silver Cup Specials for best male and female Eggs from the same matings that I breed from \$3.00 for 15. A few Cockerels and Pullets for sale.

A. L. WECKLER, Bunker Hill, Ind.

BARRED PLYMOUTH ROCKS

(RINGLETS)

Winners Three Years in Succession at the Greenfield Poultry and Pet Stock Show

I breed from high-scoring birds that are mated for best results. I have made Barred Rocks a specialty for fifteen years.

EGGS AT \$2.00 PER 15.
COCKERELS FOR SALE, \$2 TO \$5 EACH. GOOD ENOUGH TO SHOW

F. E. MENZIES
DYER, TENN.

S. C. W. LEGHORNS

Free Range Birds! Laying Strain!

Eggs for hatching. About fifty Cocks and Cockerels (fine), to be moved at a bargain. We have an up-to-date plant, prepared to handle thousands of chickens yearly. Visitors welcome.

Speedwell Poultry Farm, Salem, Va.

INDIAN RUNNER DUCKS.

First prize winners at World's Fair, St. Louis Mo.; Herald Square, New York; Kansas City, Mo.; Chicago, Ill.

White Wyandottes, white as snow. State Show winners, Silver Cup winners. Birds score to 96. Pen to 10L. Catalogue free. Expert poultry judge. Write me for terms and dates.

R. L. CASTLEBERRY, .. McCune, Kans.

WHY GAMBLE

? IN DOUBTFUL STOCK ?

FOR THE VERY BEST OBTAINABLE IN

ST. LOUIS, MO.

NUT CULTURE

This department is conducted by Mr. Fred S. Dawson, Starke, Fla., to whom all communications should be addressed.

Set Grafted Trees.

Professor H. E. Van Deman, who was one of the most interested and enthusiastic members in attendance at the recent meeting of the National Nut Growers' Association in Scranton, Mississippi, gives the following report in Colman's Rural World:

The attendance at the meeting was good, all the Gulf States being represented and several of those to the northward as far as Minnesota. Pecan growing and matters pertaining with it were the main topics discussed, for this is the most valuable nut grown in America. At the present time, however, the greater part of the pecans that are marketed are from wild trees. From every section of the South there were reports of increased interest in pecan growing. Large orchards are being planted, especially in Texas, Louisiana, Mississippi, Alabama, Florida, Georgia and South Carolina, and in some cases nearly 1,000 acres are in single holdings.

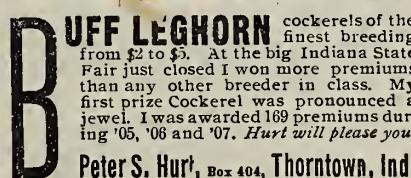
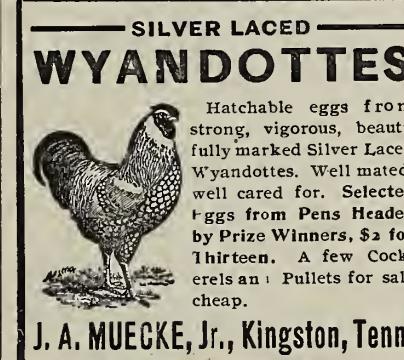
The crop of nuts this year is light, except in a few places, and prices were reported to be high. However, there were many pecans shown and a few chestnuts and walnuts of several species. One of the most instructive exhibits was 50 pecan nuts from as many seedling trees in Alabama. The man who planted the original nuts, grew the seedlings and made the exhibit, said that he bought and planted very large and superior nuts with the expectation of getting trees that would bear the same grade of nuts. In this he was very sadly disappointed, for he only got a few trees that bear good nuts and many of very inferior grade, and, besides, some of them scarcely bear at all, while some bear reasonably well. When attention was called to this exhibit of seedling nuts during the course of the meeting, a discussion followed that brought out the advocates of both seedling and grafted or budded trees. Those who advised the planting of seedlings were few, and they expressed themselves as only in favor of it when grafted or budded trees were not to be had. The statement went unchallenged, that grafted or budded trees were cheaper in the end at \$5 each than seedlings as a gift. The uncertainty as to what sort of nuts seedlings would produce, and, more important still, the time lost in waiting to see what they will produce, with the almost certainty of poor results, ought to prevent any one from making the mistake of planting seedling pecan trees. There has now been plenty of experience with them to prove their low value, as compared with grafted or budded trees of the really good varieties. There is no denying the fact that seedling pecan trees in the true pecan region pay well, but the improved and named kinds pay far better.—*American Fruit and Nut Journal*.

"Peek's Pecan Circular"

Send for free copy. Hartwell Pecan Nurseries, Hartwell, Ga. Established in 1882.

"A Short Talk on Pecans."

Starke Pecan Nurseries, Starke, Fla. Write a postal card for it.



CHEROKEE FARM

C. W. HICKS, PROP.

S. C. R. I. REDS

OUR GREAT SPECIALTY.

Only a few Fine Cockerels left. R. C. Brown Leghorns, M. B. Turkeys, Toulouse Geese, Indian Runner and Pekin Ducks, Aberdeen Angus Cattle and Southdown Sheep. All are of the best strains.

ONE-FOURTH MILE FROM L. & N. DEPOT.
MADISONVILLE, East Tennessee.

TAYLOR'S JAMESTOWN WINNERS

IN

AYLESBURY AND MUSCOVY DUCKS

A Clean Sweep. White Holland Turkeys. 2nd Tom and 2nd Hen. High Class Pekin Ducks and Winter Laying White Wyandottes.

R. RANDOLPH TAYLOR,
R. F. D. 2.
BEAVER DAM, VA.

BUFF ORPINGTONS

I have hatched some sons and daughters of First Cock and First Pen Madison Square this year. Can spare a few good ones at reasonable prices.

H. H. KINGSTON, JR.,
Brighton P. O. ROCHESTER, N. Y.

FASHION BOOK FREE!

I want to send you my handsome new book showing hundreds of latest styles with illustrations. Send me on writing and dressing material. I will agree to sell you all the patterns you want for five cents each. They are the same patterns you have always paid 10c & 15c for at the stores, made by the same people, and correct in every detail.

HOW I DO IT.
I publish the **FARMER'S CALL**, a weekly paper for every member of the family. The children's letters each week are an especially interesting feature; and the Woman's Department is unusually strong and instructive. Among its special features for women folks, is its fashions in which I show the **50 patterns**. Let me help you to save money.

MY SPECIAL OFFER
Send me 25c and I will send you the **FARMER'S CALL** every week (over 1000 pages) for one year and will send my big Fashion Book to you free. I also agree to sell you any pattern you want thereafter for 5c. I can sell them for 5cts because I buy them by the thousand and don't make any profit. I don't want the profit. I want your subscription to the **FARMER'S CALL**. You will save many times the cost of my offer in a year. **WRITE TO-DAY!**

JOHN M. STAHL, Dept. 672 QUINCY, ILL.



DIPPLE'S WHITE WYANDOTTES

THE WORLD'S WINNING KIND

AGAIN SHOW THEIR QUALITY AT THE GREAT JAMESTOWN SHOW IN THE STRONGEST CLASS OF WHITE WYANDOTTES EV'R CAGED IN AMERICA,
WINNING ON PULETTES AND COCKERELS.

This with my phenomenal record of every first at the Great Indian Fair stamps the quality of my birds. 500 choice show birds for sale; correct in color, size and shape.

HENRY C. DIPPEL,
Farm at Broad Ripple, Ind.

114 North Delaware St., Indianapolis.



Fruit and Ornamental Trees of Any Description

PECANS OUR SPECIALTY

Illustrated and descriptive catalogue free if you mention this paper. Write now.
ARCADIA NURSERIES, J. H. Girardeau, Jr., Mgr., MONTICELLO, FLA.

Remember that the entries for the big Knoxville Show close January 1st, 1908. If you haven't already sent in your entry do so at once. For information about the show write John T. Oates, Sec. & Treas.

EGG MAKING

is a hen's natural work. Cut bone is the raw material she needs to make her lay an egg a day.

CROWN BONE CUTTER will prepare the food from scrap bones quickly, easily. Write for catalog—tells about the Crown. Wilson Bros., Box 646, Easton, Pa.

Goddens' Guaranteed Sore Head Cure

Cures Sore Head, Kills Head Lice
Cures the Scaly Leg on Chickens.

Full directions with each package. Guaranteed to give satisfaction. For only a small cost you can prevent losing numbers of dollars in poultry. Price 25c per package, postpaid.

Address

AMZI - GODDEN SEED CO.

Birmingham, Ala.

Write for our complete poultry supply catalogue

R. C. R. I. REDS S.C.B. ORPINGTONS

Can please you in young stock at reasonable prices. Only a limited number of choice Orpingtons for sale. Special price on cockerels.

H. M. LAYCOCK ROUTE 1 Thompson Sta., Tennessee

THE BANTY SAVES LIFE & LABOR

Send direct if not at dealer's. We refund money and pay freight both ways if not satisfied. You take no risk.



Galvanized iron made to last
½ gal., 50c. 1 gal. 75c. 2 gal., \$1.00.
Discounts on doz. lots.

OPEN AM PAI SPECIALTY CO. Dayton, O. PAT NOV 7, '05

EASILY FILLED & CLEANED

S.C. RHODE ISLAND REDS (Deep Cherry) WHITE PLYM. ROCKS (Large, vigorous) WHITE WYANDOTTES (Laying Stock)

These birds all high strains; heavy layers; prices moderate; fair dealing. Eggs \$2.00 per 15. Customers pleased.

R. E. TRAVIS, Bonnie View Poultry Yards
Goodlettsville, Tenn.

Paralysis

Locomotor Ataxia Conquered at last by Chase's Special Blood and Nerve, Kidney and Liver Tablets which force new life and strength into the paralyzed parts. A month's trial will convince you. Write for full particulars.—P. S. Dr. Chase, 224 N. 10th St., Philadelphia, Pa.

IDEAL ALUMINUM LEG BAND

To Mark Chickens
CHEAPEST AND BEST
12 for 15c; 25—25c; 50—40c; 100—75c. Sample Band Mailed for 2c Stamp. Frank Myers Mfr. Box 50, Freeport, Ill.

"DAVIS' BARRED ROCKS"

Can fit you up with good breeders or show birds. Write for circulars.

B. S. DAVIS, CHARLOTTE, N. C.

INFORMATION

In this department we shall be pleased to answer any questions, on any department of poultry raising. The parties writing must sign their names as a matter of good faith.

Jamestown show we were asked as to cause of comb on Leghorns turning white with a general scaly appearance.

A.—This is called white comb and is caused by a small scab mite. To cure, wash comb with hot water and soap; then apply sulphur ointment, rubbing in thoroughly. You can get ointment at any drug store.

I have forty acres seven miles from Norfolk, Va., which I have run as a truck farm for several years; have had a few fowls. Want to change to poultry and eggs. Have no experience, but a good partner. Please advise me.—C. S., Norfolk, Va.

A.—From our observation Norfolk is a fine field for sale of strictly fresh eggs and fine poultry. Private trade, hotels and clubs would pay good prices. You must not start in on a large scale, but combine your truck business and experiment with fowls, gradually increasing the number as you learn. This is a slow but sure way and would take some years. If you want to save time, hire out as a worker on a poultry plant in the line in which you wish to start. You would have to go East or West, so far as we know, there is no such plant in the South, tho' they are much needed. Remember poultry raising is a business, and, like any other business, one should serve an apprenticeship before embarking.

What causes scaly legs? How can I cure it?

A.—Scaly legs is caused by a mite burrowing under the scales on legs of fowls. Rub legs with kerosene oil or dip in kerosene oil. Be careful not to get any on soft parts of legs, as it will burn them. Wash carefully with soap and water. Repeat till cured.

As a Matter of Necessity

President Finley, of the Southern Railway, in a statement to the public states that the recent stoppages of construction work and the reduction of shop forces is caused by the necessary lack of capital. It is not done in any sense by way of retaliation for adverse legislation, and it will be the policy of the company, as in the past, to provide improved facilities as rapidly as its resources will permit.

To Prevent Blood Poisoning

Every farm house has its bottle of alcohol (not wood alcohol) set on the shelf, but neither farmers nor their wives know its full value as a preventive of blood poisoning. Every cut, scratch, wound or bruise should be cleansed from dirt with clean water and alcohol poured into and over it. It will heal clean and with little trouble. Barb wire, rusty nail, dog or cat bites, or scratches, cuts on glass, crockery, or tin, pinched fingers, etc., will give little trouble if given a proper bath in alcohol as soon as possible. A fever patient sponged in alcohol soon becomes comfortable. Try it.—Western Farmer.

An Honest Doctor

Two or three generations ago Dr. Samuel Reed was one of the prominent physicians of Boston. His large practice included many patients outside of the city limits, and these he visited in his buggy.

One day he bought a new horse, with which he was much pleased until he discovered that the animal had an insurmountable objection to bridges of all kinds and could not be made to cross one.

As, at this period, it was necessary to cross some bridges in order to reach any one of the surrounding towns, the doctor decided to sell the horse. He did not think it necessary to mention the animal's peculiarity, but was much too honest to misrepresent him, and, after some thought, produced the following advertisement, which he inserted in a local paper:

"For Sale—A bay horse, warranted sound and kind. The only reason for selling is because the owner is obliged to leave Boston."—Lippincott's.

"I have used a good many poultry papers the past year, but find that yours leads them all in returns, and that is what we are looking for."—C. Fred Ward, Winter Park, Fla.

EGGS

At 35c a Dozen

Is a Paying Business

You can pretty nearly average that for fresh laid eggs from now till Easter. Put your hens and pullets in a laying condition by feeding,

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You will be using a feed that is approved and used by the best informed poultrymen. It is scientifically balanced and prepared for the specific purpose of egg production.

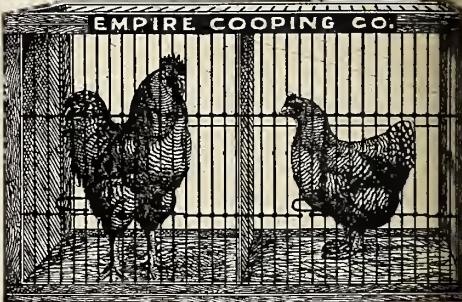
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Darling's Scratching Food, \$2. Forcing Food, \$2. Chick Feed, \$2.50. Beef Scraps, \$2.50. Oyster Shells, 60c. Mica Crystal Grit, 65c.

The above are standard Darling feeds. Prices are for 100-lb. sacks, f. o. b. Chicago or New York. Cash with order.

Write for catalog for particulars on complete line high-class poultry feeds and supplies. Ask for booklet, "Fill the Egg Basket." Both free.

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Exhibition and Training Cages

For Poultry, Pigeons, Cats and Cavies.

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Write for free illustrated catalogue of sizes.

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Will Keep Your Poultry Healthy.

It is a natural disinfectant and purifier, absorbs all impurities and disease germs, and keeps poultry in perfect laying condition. Fowls eat it readily. Three sizes: coarse granulated for mature poultry; fine granulated for small chicks; pulverized for soft feeds, etc. Write for samples and special quantity prices. Trial sack of 50 lbs., \$1.00.

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MR. POULTRYMAN

THE \$1.00 YALE ADDING MACHINE

will add your accounts accurate and quick. Endorsed by Postmasters, Merchants, Business Men everywhere. Satisfaction guaranteed or Money back. Write for testimonials and particulars to-day.

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WE OFFER TO INDUSTRIOUS HEN READERS ONE THOUSAND SETS
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*Send \$1.00 today and you will receive by return mail
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**PARKINSON'S WHITE WYANDOTTES
NATIONAL WINNERS**

Won at the National Poultry Show of the Jamestown Exposition at Norfolk, Va. Won at Chicago, Ill., Augusta, Ga., Montgomery and Mobile, Ala., Jackson, Miss., Shreveport, La., Dallas and Marshall, Texas. This Southern Winning Strain have won wherever shown and are the whitest Wyandotte shaped Wyandottes that shade the earth today.

OCEAN SPRINGS POULTRY FARM

Box D.

Ocean Springs, Miss.

TOMPKINS' RHODE ISLAND REDS

Winners at Boston, Madison Square Garden, New York, Cincinnati, St. Louis World's Fair. A few winnings at Madison Square Garden, New York, 1907. Largest and strongest class ever exhibited there. In single combs: 1st and 2d pen; 1st and 3d cock; 1st, 2d, 3rd, 4th hen; 1st, 2d, 3rd, 5th cockerel; 4th, 5th, 6th pullet. In rose combs: 1st pen; 1st, 5th cock; 6th hen; 1st, 2d, 5th cockerel; 1st, 2d pullet. Male and female specials in both of clubs. Six cups out of a possible eight.

LESTER TOMPKINS, - CONCORD, MASS.**SOUTHERN FARM LOCATIONS AND INDUSTRIAL INVESTMENTS**

GRAIN FARMS
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In the States of

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FINE CLIMATE, GOOD MARKETS, AMPLE RAINFALL, CHEAP FUEL

OPENINGS FOR INDUSTRIES

Lumber Lands, Coal Lands, Stone Lands, Iron Ore Lands

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Information about any part of the South and any kind of business furnished free by addressing M. V. RICHARDS, Land and Industrial Agent, Washington, D. C.; W. L. HENDERSON, Southern Agent, Equitable Bldg., Atlanta, Ga.

BRIEF MENTION

R. B. Bewley at Russellville, Tenn., has a fine line of Buff Orpingtons. They are raised on free range on his farm and are birds of quality and vigor.

The American Plymouth Rock Club will hold its seventeenth annual meeting in connection with the N. Y. show at Madison Square Garden on Wednesday, December 18th, 1907. All members and fanciers are cordially invited to attend. H. P. Schwab, Secy., Irondequoit, N. Y. Dr. O. P. Bennett, Pres., Washington, Ill.

We have just had the pleasure of visiting the Hill Top Poultry Farm, of Mr. and Mrs. Geo. M. Miller, at Russellville, Tenn., where they raise Buff Orpingtons and S. C. Black Minorcas of quality. We handled some of their birds and can recommend them to our breeders who want good birds and a square deal. This plant is a model of cleanliness; the houses are cleaned every day and scrubbed too; one could eat off the floor of some of the houses.

R. Randolph Taylor, of Hickory Bottom Poultry Farm, Negrofoot, Va., offers for sale White Muscovy, Aleshury and Pekin Ducks; White Holland Turkeys and White Wyandottes. On ducks he made a clean sweep at Jamestown also won second on turkeys. His White Wyandottes are good quality, too. Mr. Taylor is one of the finest gentlemen we ever met. His are white fowls raised by a white man who will treat you white.

No one wanting R.C. Black Minorcas of quality will make any mistake in patronizing Lloyd C. Mishler, of Manchester, Ind., whose advertisement appears in this number. We handled his Jamestown winners and they are beauties. As it was, he came near getting all the prizes, there was plenty of competition in the class, too. We had the pleasure of meeting Mr. Mishler and found him an up-to-date breeder as well as a pleasant gentleman.

If you have not already secured a copy of the new illustrated *Standard of Perfection*, send for a copy at once. We have a supply on hand and can fill orders promptly. The price is \$1.50 per copy the world over. No breeder should try to get along without a copy of this book. It contains a full description of every standard variety of poultry and illustrations of most of the more prominent breeds. It is bound in cloth and is a valuable book. Send us \$1.50 at once and we will forward a copy by return mail, or \$1.75 and get a year's subscription to THE INDUSTRIOUS HEN.

The Blue Blood Poultry Farm of Geo. E. Price, of Charlotte, N. C. is well named, for at this place are some of the finest fowls in the whole country. Mr. Price spares no pains or money to have the best. He is after first quality and don't mind paying for it. His plant is a model and when completed will rank with the best in the country. It is run on business principles, too, and is doing a successful egg as well as fine stock business. Mr. Price is personally a charming gentleman; you will get the best of stock and best of treatment in dealing with him. At Jamestown, he had a wonderful exhibit of Lakenvelders, won second Buff Orpington cockerel and first and fourth S. L. Wyandotte Pullets, showing only the three fowls. He also won the Coro cup, the grand prize of the show.

Johnson City, in East Tennessee, where the United States government recently completed a Soldiers' Home, is enjoying quite a building boom this year. It is said that not a single line of business is overdone. The city is surrounded by a fine farming country, and offers unusual openings for dairymen, poultry raisers, fruit raisers, gardeners and general farmers.

This country sends \$5,000,000 away every year for matting to cover floors. Matting is made from a water plant, a rush, that will grow anywhere in the South. Machines have been devised which will enable one good American operator to weave as much matting in a day as an Oriental can weave in 30 days.

Hatch Chickens by Steam

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**EXCELSIOR
INCUBATOR**

or **WOODEN HEN**

Economical and perfect hatching. Absolutely reliable and self-regulating. Thousands in use to-day.

GEO. H. STAHL, Quincy, Ill.



Send for free Catalogue.

SHOW DATES

It is our intention to publish dates selected as soon as we can learn them, and we would thank our readers to keep us informed as to dates, judges and secretaries, with their addresses. If errors are made please notify us.

DECEMBER

Adrian, Mich.—Dec. 11 to 17, 1907. J. E. Holoyoke, Secy.

Asheville, N. C.—Asheville Poultry and Pet Stock Association, Dec. 17 to 19, 1907. Judge F. J. Marshall; Mrs. C. B. Campbell, Secy.

Athens, Ala.—Dec. 17-19, 1907. H. N. Binford, Secy.

Bentonville, Ark.—Dec. 11-15, 1907. W. C. Carnier, Secy.

Bolivar, Mo.—December 24 to 27, 1907. R. J. Winn, Secy.

Bowling Green, Ky.—Dec. 17 to 20, 1907. Ben S. Meyers, Judge; L. J. Wardon, Secy.

Bonham, Texas—Dec. 10 to 13, 1907. H. W. Blanks, Judge; W. T. Smith, Secy. and Treas.

Bradford, Ill.—Dec. 17-24, 1907. L. H. Eldridge, Secy.

Bristol, Tenn.—Va.-Tenn. Poultry Association, December 10-13, 1907. R. L. Simmonson, Judge; W. H. Cochrane, Secy.

Canton, Ill., Dec. 31 to Jan. 4, 1908. W. C. Pierce, Judge; F. A. Bennett, Secy.

Cherryvale, Kas.—Dec. 23-28, 1907. J. O. Davis, Judge; Geo. Behner, Secy.

Cleveland, Tenn.—Dec. 17-19, 1907. D. M. Owen, Judge; A. J. Lawson, Secy. and Treas.

Corsicana, Texas—Dec. 11-14, 1907. G. M. Knebel, Judge; B. B. Simpkins, Secy.; M. Smith, Asst. Secy.

Delavan, Wis.—Dec. 30-Jan. 8. Chas. Mc-Clave, Judge; Harry I. Phillips, Secy.

El Reno, Okla.—Dec. 23-28, 1907. J. J. Atherton, Judge; L. G. Adams, Secy.

Fairfield, Ill.—Dec. 16-18. J. B. Handley, Secy.; Shaw, Judge.

Frankfort, Ind.—Dec. 23-28. T. M. Campbell, Judge; H. A. Danner, Secy.

Greenville, S. C.—Dec. 10-14, 1907. S. T. Lea, Judge.

Guthrie, Okla.—Dec. 9-14, 1907. D. T. Heimlich, Judge; E. B. Henry, Secy.

Hillsboro, Texas—Dec. 18-20, 1907. W. G. Escott, Secy.

Hennessey, Okla.—Dec. 17-21, 1907. J. J. Atherton, Judge; E. G. Adams, Secy.

Jefferson City, Tenn.—Jefferson County Poultry Club, Dec. 12-14, 1907. D. M. Owen, Judge; L. C. Foust, Secy.

Kaufman, Texas.—Dec. 26-28, 1907. Carl Peede, Secy.

Kingston, N. Y.—Dec. 18 to 20, 1907. C. A. Rockenstyre, Judge; C. S. Rowe, Secy.

Denny, Judges; Frank W. Gaylor, Supt.; J. D. Harcomb, Secy.

Louisville, Ky.—Dec. 14-18, 1907. C. A. Milligan, Sec.; Shaw, Jones, Owen, Ewald, Judges.

Madison Square Garden, Dec. 17 to 21, 1907. H. V. Crawford, Mt. Clair, N. J.

McKeesport, Pa.—Dec. 23, 28, 1907. Chas. Mc-Clave, Judge; A. A. Miller, Secy.

Monroe, La.—Dec. 11 to 13, 1907. H. B. Savage, Judge; C. E. Faulk, Secy.

Greater Nashville Pet Stock and Poultry Association, Dec. 9 to 14, 1907. Thos. F. Rigg, Iowa Falls, Iowa, and Thos. S. Faulkner, Tiffin, Ohio, Judges. Fred Klooo, Secy.

Oregon, Ill.—Dec. 30-Jan. 4, 1907-8. S. B. Johnston, Judge; F. G. Taylor, Secy.

Owensville, Ind.—December 23-28, 1907. A. B. Shaner, Judge; Frank L. Riffert, Secy., Haubstadt, Ind.

Palmyra, Ill.—Dec. 19-24. F. A. Gelder, Sec.; Shaw, Judge.

Petersburg, Ind.—Dec. 16-21, 1907. S. B. Johnston, Judge; S. A. Medcalf, Secy.

Pierce City-Monet, Mo., Dec. 16-19, 1907. C. A. Emry, Judge; Thos. Catlen, Pierce City, Secy.

Pleasant Valley, N. Y.—Poultry, Pigeon and Pet Stock Association, Dec. 10 to 13, 1907. Mrs. W. P. Masten, Secy.

Pulaski, Tenn.—First Annual Poultry Show, Dec. 12, 13, 14, 1907. Judge F. J. Marshall; W. B. Romine, Secy.

Rantoul, Ill.—Champaign County Poultry Association, December 17-21, 1907. George A. Heyl, Judge; Glenn Robinson, Secy.-Treas.

Remington, Ind.—Dec. 30-Jan. 4, 1908. T. M. Campbell, Judge; F. L. Griffin, Secy.

St. Edward, Neb., Dec. 17 to 20, 1907. U. J. Shanklin, Judge; Jacob Rosencrantz, Secy.

Weatherford, Texas—Dec. 17-20, 1907. D. M. Hart, Jr., Secy.

JANUARY

Anadarko, Oklahoma—Jan. 15-18, 1908. M. S. Frite, Judge. John Pfaff, Jr., Secy.

Atlanta, Ga.—Jan. 7-11, 1908. W. F. Reils, Secy.

Barry, Vt., Jan. 7 to 10, 1908. Hawkins, Shaw and Coolidge, Judges; E. J. Badger, Sec.

Charlotte, N. C., Jan. 17 to 23, 1908. H. P. Keller, Judge; Jno. W. Nicely, Secy.

Chicago, Ill.—Jan. 23-30, 1908. Fred L. McKinney, 325 Dearborn St., Secy.

Cincinnati, Ohio—January 14 to 18, 1908. Julius Friedeborn, 139 W. Sixth St., Cincinnati, Secretary; Loring Brown, Geo. Ewald, Judges.

Clarksburg, W. Va.—Jan. 27-30, 1908. Chas. E. Cram, Judge; E. M. Wilson, Secy.

Cleveland, Ohio, Fancier's Club, Jan. 27, 1908. F. L. Gruehl, 9902 Woodland Ave., Sec.

Columbus, Ind.—Jan. 13 to 18, 1908. H. Karl Volland, Secy.

Dallas, Texas—January 7 to 10. R. A. Davis, Farmersville; H. B. Savage, Belton; G. M. Knebel, Waco; W. S. Heaton, Ft. Worth, Judges; C. P. Van Winkle, Ass't. Secy.

Delphi, Ind.—Jan. 6-11, 1908. W. F. Browne, Sec.; Shaw, Judge.

Gastonia, N. C.—Jan. 6 to 11, 1908. F. J. Marshall, Judge; John L. Beal, Secy.

Enid, Okla.—Jan. 13-18, 1908. D. A. Stoner, O. P. Greer, Judges; I. J. Sherick, Secy.

Frostburg, Md.—Jan. 15-19. H. A. Emmel, Judge; W. D. Hanson, Secy.

Gainesville, Texas—Jan. 17-19, 1908. C. L. Pippin, Secy.

Georgetown, Ill.—Jan. 13-18, 1908. T. M. Campbell, Judge; H. O. Cook, Secy.

Gospot, Ind.—Jan. 21-25, 1908. T. M. Campbell, Judge; N. D. Lingle, Secy.

Greenfield, Tenn.—Jan. 21 to 24, 1908. R. E. Jones, Judge, W. H. Dolan, Secy. and Treas.

Herndon, Va.—Herndon Poultry Association, Jan. 2, 3, 4, 1908. Geo. O. Brown, Judge; C. M. Walker, Secy.

Knoxville, Tenn.—East Tennessee Poultry Association. Jan. 7-11, 1908. D. M. Owen and Loring Brown, Judges; John T. Oates, Secy. and Treas.

La Grange, Ind., Poultry and Pet Stock Association, January 6 to 11, 1908. S. B. Johnston, Judge; Ira Ford, Secretary.

Lodago, Ind.—Jan. 20-25, 1908. S. B.

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Nature's best utility fowl. Excellent layers, and truly good for all purposes. I have pairs, trios, pens or single males and females for sale at reasonable prices. Quality unsurpassed anywhere. My neat circulars give you a complete history and information. Send for it.

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Barred Plymouth Rocks for Sale!

Young Cockerels of the first prize winning strain for sale. Must go to make room. Write for prices. Eggs in season. Orders booked now.

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**P. R. BROOKS, BLACK CREEK, N. C.**

BREEDER OF HIGH GRADE

ROSE COMB RHODE ISLAND REDS

The only choicest specimens in my breeding pens and they are bred to lay as well as to win. Winnings: Wilmington, N. C., 1902, 1st and 2nd pullets. Wilmington, N. C., 1903, 2nd ckel, 1st, 2nd, 3rd and 4th pullets and 1st pen. Charleston, S. C., 1905, 2nd ckel, 2nd pen. Charleston, S. C., 1906, 1st ckel, 2nd and 4th pullets. At the Great Janestown Exposition won 3rd ckel. Charleston, S. C., Nov. 1907, 1st and 2nd ckels. 1st, 2nd and 3rd pullets. Eggs \$1.50 per 15—\$3.00 per 50.

1893

H. C. AUSTIN, 307 Payne Ave., KNOXVILLE, TENN.

IS STILL IN THE FIELD WITH HIS PRIZE WINNING

WHITE AND BLACK LANGSHANS

I will give \$3 for highest scoring cockerel and \$2 for second, raised from eggs bought of me in 1908 to be exhibited at the Knoxville Show 1909. Eggs \$3 and \$5 per setting of 15. A few more fine birds yet for sale.

S. C. BLACK MINORCAS**TRAP NETS**

Nothing but the best birds used in my breeding pens. Orders booked now. Ship safely any distance. Satisfaction guaranteed. Write for circular and mating list. Eggs from best pens \$2.00 for 15, other pens (fine) \$1.50 for 15.

R. C. MCANTS,
Ninety Six, S. C.

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HILLCREST POULTRY FARM,

Johnston, Judge; Warner Davidson, Crawfordville, Secy.

Louisville, Ky.—Jan. 13-18, 1908. Poultry Judges D. M. Owen, R. E. Jones and Frank Shaw; Pigeons, Geo. Ewald.

Mineral Point, Wis.—Jan. 7-11, 1908. T. M. Campbell, Judge; Allen Tucker, Secy.

Monroe Poultry Association, Monroe, N. C.—Jan. 7 to 10, 1908. Judges, Dr. T. S. Lea and H. E. Frymire; T. P. Dillon, Secy.

Nashville, Ark.—Jan. 8 to 10, 1908. S. T. Anderson, Secy.

Nashville, Tenn.—Jan. 6-11, 1908. Jno. A. Murkin, Jr., Secy.

New Castle, Pa., Lawrence County Poultry Show, Jan. 1, 2, 3, 4, 1908. Judge Denny; D. R. Bolland, Secretary.

Oelwein, Iowa, January 21-25, 1908. Chas. McClave, Judge; Dr. T. D. Miner, Secy.

Oklahoma City, Okla.—Jan. 20-25. Ira C. Schwab, Judge; W. B. Alexander, Secy.

Ottawa, Ill.—Jan. 13-18, 1908. S. B. Johnston, Judge; J. P. Gomignan, Secy.

Parkersburg, W. Va.—Jan. 14-18, 1908. Eugene Sites, Judge; Forest C. Goff, Secy.

Pembroke, Ky.—Jan. 2-4, 1908. T. D. Heimlich, Judge.

Perry, Okla.—Jan. 13-18, 1908. Ira C. Keller, Judge; A. A. Maupin, Secy.

Peterboro, N. H., Jan. 7-10, 1908. E. M. Ramsey, Secretary.

Philadelphia, Pa.—Jan. 21-25, 1908. Leslie Jeffries, Secy.; Bridgeport, Pa.

Ponca City, Okla.—Jan. 6-11, 1908. M. S. Fite, Judge; E. M. Garner, Secy.

Poynette, Wis.—Jan. 6-10, 1908. T. M. Campbell, Judge; G. J. Townsend, Secy.

Rock Hill, S. C.—January 7-11, 1908. W. H. Brice, Secy.

Roekford, Ill.—Jan. 13-18, 1908. S. B. Johnston, Judge; Chas. S. Gilbert, Secy.

Swampcott, Mass.—Jan. 7 to 10, 1908. A. C. Smith, W. H. Cord, W. B. Atherton, G. P. Coffin and Geo. Feather, Judges; Chas. E. Waterhouse, Secy.

Woodward, Okla.—Jan. 1-4, 1908. E. C. Branch, Judge; C. C. Hoag, Secy.

Zion City, Ill.—Jan. 14-18, Chas. McClave, Judge; Ernest R. Heath, Secy.

FEBRUARY

Circleville, Ohio—Ohio Branch American Poultry Association—February 10 to 14, 1908. Chas. E. Cram, Secy., Carey, O.

Columbus, Ohio, February 10-15, 1908, Ohio Branch American Poultry Association. Chas. E. Cram, Sec., Carey, Ohio.

Indianapolis, Ind.—Feb. 3-8, 1908. William Tobin, Secretary.

Indianapolis, Ind.—Feb. 3 to 7, 1908. James A. Tucker, A. F. Kummer, O. L. McCord, S. B. Lane, Judges; Theodore Hewes, Secretary, Indianapolis, Ind.

Lebanon, Ky.—Feb. 10-14, 1908. T. D. Heimlich, Judge.

Marietta, Ga.—Feb. 6 to 9. D. M. Owen and Loring Brown, Judges; Jno. P. Cheney, Secy., Marietta, Ga.

Sheridan, Ind.—Feb. 10-15, 1908. T. M. Campbell, Judge; John Pritch, Secy.

Titusville, Pa.—Feb. 4 to 11, 1908. T. L. Andrews, Secy.

Windham, Pa.—Feb. 12-15, 1908. Ambrose Eaves, Secy., Residence of T. Cadwallader, Salem, Ohio, the Champion and other Leg Bands, Poult the rear.

Show Winnings

It is again necessary to state, for the protection of our advertisers, that we will not publish the winnings of any but advertisers or subscribers to THE INDUSTRIOS HEN.

Dates Va. State Show Changed.

Owing to the inability of our getting the exhibition hall for our show on the dates set in December, we have been obliged to change our dates to January 9-15, 1908. Premium list will be ready by December 1st, and those desiring same, should address the secretary, F. S. Bullington, Box 328, Richmond, Va.

Jamestown Show Birds Lost.

The management of the Jamestown Poultry Show, in returning the exhibits to the shippers, through error in some way, returned two Single Comb Rhode Island Reds, exhibited by Mr. F. S. Bullington, Richmond, Va., to some one of the other exhibitors. The birds were a Cockerel, band No. 4202 T, Pullet, band No. 2703 T, Smith sealed bands, with the name Bullington on. If any of the exhibitors have received these birds, I will thank them to kindly advise me, or forward the pair to me by Adams Express. F. S. Bullington, Richmond, Va.

Secy. Va. Poultry Assn.

Ten Prizes on Eight Birds.

At Jamestown, Frank Langford of Nashville, on his Ideal S. C. Rhode Island Reds won as follows: 1, 4, 6 cockerels; 4, 6 pullets; 3 cock, 3 hen; special for color of male and \$25 cup for best S. C. male. Ten prizes on eight birds is a record to be proud of. Hurrah for Tennessee.

Secretary Poultry Show.

In accordance with resolutions adopted by the American Poultry Association, you are invited to send to me as secretary of this Association, a certified list of the number of entries of each breed shown at your show this season, for which the regular entry fee shall have been paid.

On April 1st, 1908, all lists coming in to me shall be added up and the breed that was exhibited in the largest number of shows thus reported on, all standard varieties of each breed to count, shall be supplied with the first separate breed standard by the American Poultry Association. Blank forms will be sent for your convenience. Ross C. H. Hallock, Secretary American Poultry Association.

A Poultry Breeders' Directory.

The United States Poultry Breeders' Directory is now ready for delivery. It contains a comprehensive list of legitimate breeders of all standard varieties of chickens from every state in the Union, with name and address of each breeder, arranged alphabetically, by States, aggregating more than 8,000 breeders' names. It has been endorsed by many of the larger breeders and State Experiment Stations, all of whom have assisted in confining this list to the name of bona fide breeders only. It also carries some very good suggestions for the beginner, and treats on almost all known diseases of chickens. Price, \$1 per copy, postage prepaid. G. A. Rinehart & Co., Publishers, 537 Second St., S. E. Washington, D. C.

Mammoth Bronze Turkeys

B. P. R. CHICKENS AND YOUNG

Stock for sale. Satisfaction guaranteed. Winners whenever shown.

MRS. J. J. HOLMAN, Mulberry, Tenn.

HOUDANS, S. C. B. ORPINGTONS

Highest Egg Record, Highest Scoring Stock

MAMMOTH TOULOUSE GESE

DR. G. W. TAYLOR, Box B, Orleans, Ind.



H. B. Lansden and Son, and his little fox terrier, great Rhode Island Red breeders, Manchester, Tenn.

IN THE DRINKING WATER

**KEEPS
YOUR FOWLS
HEALTHY**

Sick chickens aren't profitable nor pleasant to have around. **Germozone** in the drink twice a week will keep your fowls in a flourishing and productive condition. It acts as a bowel regulator and corrective and keeps off other diseases and disorders. **Germozone** cures Roup, Cholera, Colds, Chicken Pox and all such ailments. Fowls like it. One trial will show you how it will save you money. Either tablet or liquid form, 50 cts., at your dealer's, or direct from Geo. H. Lee Co., Omaha, Nebraska.

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GENERAL AGENTS:

Howard L. Davis, 1315 Market St., Philadelphia, Pa.

Fiske Seed Co., Boston, Mass.

Robinson Seed & Plant Co., Dallas, Texas.

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Address nearest agent.

FAVORITE TRAPNESTS

Are the best; handy, accurate and compact. Guaranteed to satisfy, or your money back. Price 75c each. Send stamp for circular.

WALTER P. BAYNE, SALEM, IND.

BUFF ORPINGTONS, S. C. BLACK MINORCAS

BLUE BLOODED, FARM RAISED, PRIZE WINNING, MONEY MAKERS.

The fowls for eggs, for meat, for general purposes. Won in Buffs, 1st cock, 1st chck., 1st and 2nd hen. In Minorcas, 1st and 2nd hen at Morristown show; Owen, Judge. My fowls are great egg producers, lay when eggs are scarce. They are full of vigor, vitality and vim.

MR. AND MRS. GEORGE MILLER

HILL TOP POULTRY FARM, R. 2.

Russellville, Tenn.

The INDUSTRIOUS HEN

Newark, Ohio Poultry Show.

The fifth annual show will be held Jan. 1st, to 4th, 1908, and promises to be the best in Central Ohio; their premiums, both special and cash are very liberal, and their reputation for properly caring for all birds entrusted to their care, and for the prompt payment of all obligations is unexcelled. The association is making preparations for 1000 birds and 4000 visitors. Send for premium list. Ed. M. Larson, Newark, Ohio, Secy.

Monroe, La. Poultry Show

Arrangements for our show on December 11 to 13 are complete. Catalogue is being mailed. Prizes consist of eight silver cups, about \$300 in cash, and a number of high bred birds and special premiums. Mr. B. Savage will be the judge. We have capacity for 1000 birds. Come and bring your birds or send them if you can not come yourself. Monroe Poultry and Pet Stock Association, C. R. Faulk, Sec.

Asheville, N. C. Poultry Show.

The first one in ten years, and it will be a good one. The premium list will be along lines adopted by other associations with numerous specials in cash and merchandise. Judge J. Marshall will tie the ribbons, and Mrs. C. B. Campbell is the faithful and efficient secretary.

Jefferson County Show.

The show at Jefferson City, December 11—12—13, promises to be a good one. Judge Owen will place the awards. The premium list is a good one. The show will be well managed. You will make no mistake in going to Jefferson City. Managed by a few enthusiastic poultrymen, they are to be congratulated on their success.

Virginia-Tennessee Show.

We have received the premium list of this show, and it shows a liberal line of cash prizes and specials. Bristol is specially well situated for a fine show and from all indications this will be one of the greatest shows in this section. You will miss a great event if you fail to exhibit or visit the Bristol show.

Greater Nashville Show.

Notwithstanding the handicap of having two associations in the same city, the Greater Nashville Show, December 9—14, promises to be a fine one. They offer a splendid line of cash and specials; the show is well advertised and promises to be well managed; all indications point to a success. Judges Rigg and Falkner will award prizes on fowls. The judges of pigeons are Hager, House and Cornelius, Jr. of Nashville. Here's wishing success to the Greater Nashville Show.

Bureau of A. P. A. Lecturers.

President Bryant has appointed the following as a committee to organize a Bureau of Lecturers for the American Poultry Association: Chairman, Geo D. Holden, Owatonna, Minn.; T. F. McGrew, Washington, D. C.; Grant M. Curtis, Buffalo, N. Y.

A New Secretary's Entry and Score Book

The latest improved Secretary Book is just published by THE INDUSTRIOUS HEN CO. It has the best arrangement, is most compact, double indexed, leather back and corners, cloth sides, round cornered. Improved index, visible when book is open; no turning of leaves back and forth to see index. Designed by a practical poultry show secretary. Complete in every detail; large enough for two big shows. With this book you can do your work in the shortest time and in the most satisfactory manner. Size of book closed 8½x9. Price delivered, \$2.00. Money refunded if not satisfactory. Most practical book on the market. Send orders to THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

Entry Blanks

We are prepared to furnish secretaries Entry Blanks cheaper than they can have them printed at home. These blanks are printed on good paper 8½x11 inches, with the name of your association, name and address of secretary, date and place of show and such information as is necessary printed thereon; also the by-laws as authorized by the A. P. A., at \$3.00 for 500; \$4.50 for 1,000, and \$2.50 for additional 1,000. Write order plain and send check, with necessary information to

THE INDUSTRIOUS HEN CO.,
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A GOOD HATCHER



POTTER PERFECTION DRY FEED HOPPER

This is the most sensible, satisfactory hopper ever made. The Potter Hopper is made in three sizes with movable partitions for either one or five feed compartments. It is the best and most economical hopper ever made. Send for our circular "Hopper Feeding." The Potter method of scientific and systematic feeding brings paying results. It tells you how to feed from chicks to laying hens; how to prepare a feed costing less than 12 cents a bushel. This feed is the cheapest and best feed known to produce winter eggs and keep your fowls in a healthy condition. Send for free circulars on feeding.

THE POTTER SYSTEM

of selecting laying and non-laying hens is the greatest discovery of the century in the poultry world. It is a secret worth dollars to any poultryman. It teaches you a dozen different ways of making more money on your hens. You can select the layers from the loafers. You can keep the fewer hens and get more eggs at a less cost. If you have some hens to sell before winter sets in you should know the Potter System, for you can pick out the layers and sell the non-layers and thus save many dollars. Over 15,000 poultrymen are using our system, and if you will write asking for our catalog and circulars we will show you that you are losing dollars every day you delay in learning the knowledge we offer. WRITE US TODAY.

DON'T DELAY a single day in sending for our catalog and circulars telling all about our goods, for we can show you how to save money and make more money on your poultry. Write to Us Today.

Potter Poultry Products are for Particular Poultry People.
T. F. POTTER & CO. Box L. Downers Grove, Ill.

**RED COAT STRAIN R. C. AND S. C. RHODE ISLAND REDS
LINE BRED FOR ELEVEN YEARS. THE STRAIN WITH A RECORD**
Eggs \$2 per setting; three settings \$5. Limited number settings at \$5 from special prize matings.
C. & H. P. WADSWORTH, Box 112 - RIDGEWOOD, N. J.

Wilson's White Leghorns.
(Single Comb.)

EGG PRODUCERS

BREEDING STOCK FOR SALE

I Have a Few March and April Hatched

COCKERELS

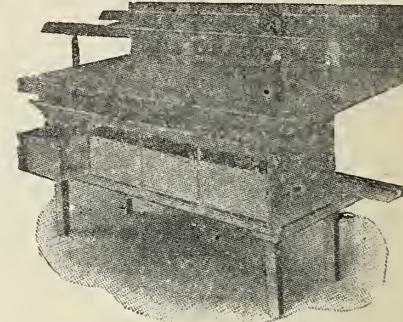
At from \$3.00 to \$10.00. These are fine young fellows. Snow white and will make Excellent Breeders. Eggs \$3.00 for 15. \$5.00 for 30. Best Matings.

ORDERS BOOKED FOR SPRING DELIVERY. YARDS MATED FEBRUARY FIRST.

**J. A. WILSON,
OLIVER SPRINGS, TENN.**

Member National Single Comb White Leghorn Club.

Is what every poultryman wants and that is just what THE POTTER COMPOUND INCUBATOR is. 90% hatches are not unusual in any climate. Automatic moisture and ventilation, compound circulation of air, compound asbestos heater, require $\frac{1}{2}$ less oil. Not a cheap machine, but one perfect in every detail, rightly made and sold at the right price. Your money cannot buy a better hatching machine. Don't buy an Incubator or Brooder until you learn about The Potter Compound Machines.



POTTER POULTRY HOUSE FIXTURES

Made in three styles, twelve different sizes; over six years on the market and over 20,000 in use by poultrymen all over the United States.

DON'T BUILD

That new hen house or fix up the old one until you have our large 64 pp catalog showing fixtures in all styles and sizes. You can have convenient and sanitary quarters for your fowls and save time and labor if you will use Potter Fixtures.

Our catalog has cost us hundreds of dollars but we send it free to you for the asking.

DON'T DELAY a single day in sending for our catalog and circulars telling all about our goods, for we can show you how to save money and make more money on your poultry. Write to Us Today.

SOMETHING TO CROW ABOUT

**HEN-E-TA
BONE-GRITS**

WILL MAKE HENS LAY
WILL MAKE CHICKS GROW.
ADDRESS

NO OTHER BONE NEEDED | NO OTHER GRIT NEEDED

NO MORE BONE CUTTERS NEEDED

100 LB. BAG \$2.25 | 200 LB. BAG \$4.00
ALSO SMALLER PACKAGES
BIG DISCOUNTS IN QUANTITIES

HEN-E-TA BONE CO.
NEWARK, N.J. DEPT. 6 FLEMINGTON, N.J.

Poultry Fence

We Can Save You One-Half Your Poultry Fence Bill.

Brown heavy-weight Poultry Fence when put up costs you hardly half the price of common light weight netting, yet will last more than five times as long. In Brown Fence top and bottom wires are No. 6 Hard Spring Steel—balance in same proportion. It is woven close for chickens,—extra strong for all farm stock. Won't sag or rust. Get our catalog and prices. We have 144 styles of fences. We pay the freight.

The Brown Fence & Wire Co.
Cleveland, Ohio.

THE BROWN FENCE

FOR SALE

**WHITE WYANDOTTES
S. C. W. LEGHORNS**

Have twenty finely marked cockerels—can mate you some choice pens. Eggs in season from selected yards, bred for size, carriage, standard markings, eggs.

**THOROUGHBRED O. I. C. HOGS
JERSEY CATTLE**

Reasonable prices. Square dealing

WM. THOMAS, Route 3, Sweetwater, Tenn.

ACME
POULTRY SUPPLY CO.
MANUFACTURERS OF

ACME POULTRY FEEDS
POULTRY SUPPLIES

Largest Concern of Its Kind in the South

SEND FOR PRICE LISTS

ACME POULTRY SUPPLY CO.
NASHVILLE, TENN.

**SINGLE COMB BLACK MINORCAS
FOR ALL SHOWS**

Prize winning cockerels and pullets of standard weight, also few choice pens of yearling stock. Bred to produce large, white eggs and many of them. Begin with the best.

CHARLES G. PAPE,
V. P. AM BLACK MINORCA CLUB
FORT WAYNE, IND.

Industrious Hen Protection Against Diseases.

When you buy a hen from a neighbor you may bring lice, cholera or roup into your flock. Unless the neighbor has been as careful as you, your work for the entire year may be thrown away by the admission into your flock of a single fowl, male or female, ill from some disease unknown to the party from whom you procured it. Even when procuring eggs for hatching they should be carefully examined and given a thorough washing. No one has ever succeeded in keeping large numbers of fowls who has been compelled to buy them from wherever they could be procured, owing to the difference in the methods practiced by those who hold them. A single hen can lay the foundation of some disease that may sweep away the entire flock, and the effect may not be noticed until it is too late. To keep poultry in large numbers you must rear the hens yourself, breed for what you desire, select the best specimens and avoid the presence of a single intruder. The addition of birds to the flock, when procured elsewhere, has been the cause of nearly all the failures with large numbers of fowls.

HOW TO GET MORE EGGS

Help your hens. Feed them fresh cut green bone and you'll get more eggs—you'll get eggs in winter when eggs are worth while. The Standard Green Bone Cutter prepares bone right for feeding quickly—easily. Prices \$8.50 and up; sold on guarantee—sent on trial. Write for catalog. Standard Bone Cutter Co., Milford, Mass.

Most Popular Judge in the South.

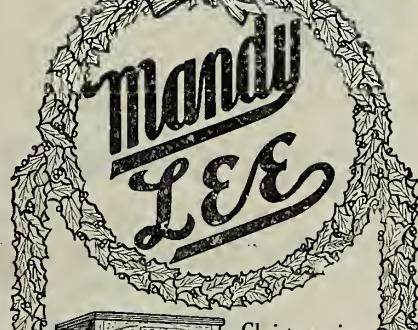
F. J. Marshall, College Park, Ga., Wins Commercial Poultry's Voting Contest.

March 1st, last, *Commercial Poultry* started a voting contest, to determine the most popular judge in the South, guaranteeing at the same time that the winner would be appointed as judge at one of the principal Northern shows. The final result of the contest was:

F. J. Marshall, College Park, Ga. 2,683
R. Z. Simmons, Charlotte, N. C. 2,084
R. A. Davis, Farmerville, Texas 1,361
Scattering 336

6,464

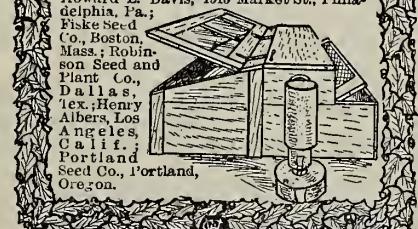
A Suggestion for Christmas



Christmas is a good time to get that "Mandy Lee" Incubator and Brooder you've been promising to get for so long. What better present can you give the Wife, Daughter, or Son, than one or both of these splendid machines? They are the highest type of chicken machinery ever invented, with more individual and desirable features than any other on the market. Our handsome new catalog describes them in detail. We'll send it free with several other valuable poultry books, if you will write today and ask for them. Address

GEO. H. LEE CO., Omaha, Neb.

GENERAL AGENTS:
Howard L. Davis, 1315 Market St., Philadelphia, Pa.;
Fiske Seed Co., Boston, Mass.; Robinson Seed and Plant Co., Dallas, Tex.; Henry Albers, Los Angeles, Calif.; Portland Seed Co., Portland, Oregon.



The contest was interesting, but soon narrowed down to the above three. Mr. Simmons looked like a winner till the very end when Judge Marshall's friends rallied to his support and he won with a rush. As a result he will judge at the great Chicago show in January. Our readers will remember that Judge Marshall was one of the judges at the East Tennessee show in Knoxville last year, where he made a host of friends and gave universal satisfaction. We congratulate Chicago on the selection of a judge who will be a credit to us all.

Chickens Lost Fast.

A New Orleans man has proved that a chicken can live 23 days without food or water. He makes affidavit that when his family moved recently a chicken securely nailed in a box was in the cellar of the new house, having been forgotten by the former tenants. Twenty-three days later the cook was moved to explore the cellar and discovered the chicken, emaciated, but still much alive.

BUFF AND BARRED ROCKS.

I breed prize winners. Won at Birmingham, December, 1906, eight prizes on ten Buff Rocks, 1st cock, 1st and 2nd cockerel; 2nd, 3rd and 4th pullet, 3rd hen and 1st pen.

Eggs, \$2.50 for 15. Satisfaction guaranteed.

J. H. CROWELL, Parrott, Ga.

**200 GROWING YOUNGSTERS
"RINCLET" B. PLYMOUTH ROCKS**

EXCLUSIVELY

E. B. THOMPSON'S CELEBRATED STRAIN

Bred for Quality, not Quantity. Unexcelled for laying 9 whites. Size, Vigor and Beauty. Sons and daughters of my prize winner "Crackerjack" at last season's Richmond Poultry Show, weight 12 pounds. I have the prettiest lot of cockerels and pullets, both for the show room and breeding purposes, that I can sell you at reasonable prices, considering their superior quality. Write me what you want and I can please you. Satisfaction guaranteed. Address

LESLIE H. McCUE,

Box 3,

AFTON, VIRGINIA.

**Ohio State Branch Show at Columbus,
February 10-15, 1908,**

The Ohio State University will join with the American Poultry Association in holding a poultry institute during the Ohio State Branch Show at Columbus, Feb. 10-15, 1908. The institute will be held Thursday and Friday. Prof. James E. Rice, of Ithaca, N. Y., will lecture. James L. Nix, of Homer City, Pa., Grant M. Curtis, of Buffalo, and Ross C. H. Hallcock will be present and participate in the meetings. Premium list ready Jan. 1, 1908. Chas. E. Cram, Secy., Carey, Ohio.

Two for One

Readers, if you are interested in apple growing, send us fifty cents for one year's subscription to THE INDUSTRIOUS HEN and *The Apple Specialist*—the two one year for 50c if you mention this offer.

INCUBATOR OIL

You can increase your hatch twenty-five per cent by using in your incubators

Soline Oil

No Smoke, no Odor, a perfect Oil, made from premium Pennsylvania Crude.

Orders filled from Knoxville and Chattanooga, Tenn., High Point and Greensboro, N. C., Baltimore and Cumberland; Md. Address

TENNESSEE OIL COMPANY,
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"THE CEDARS"

Buff Orpingtons

... and ...

S. C. W. Leghorns

Stock for sale. Eggs for hatching after December 1st. Close prices on White Wyandottes to close out.

INDIAN RUNNER DUCKS.

GEO. E. MORSE, Cleveland, Tenn.

**BUFF
WYANDOTTES**

The Beauty and Utility of the Wyandotte family is centered in the BUFFS.

I have the best that money and twenty years breeding experience can produce.

Stock and Eggs for sale at all times. Show birds a specialty.

M. D. ANDES, - Bristol, Tenn.

**100 YOUNGSTERS
FISHEL WHITE ROCKS**

A Fine Flock, Good in all Points

Nice breeding cockerels at \$2, \$3 and \$5 each, with a few exceptionally fine ones at \$8 and \$10 each. A few pullets at \$2 and \$3 each, with a very few extra choice ones at \$5 each. Toulouse Geese \$5 each; \$12 per trio. Bronze Turkeys \$6 each; \$15 per trio. Also a few hens at \$2 and \$3 each.

Write me. I'll treat you right.

PLUMMER McCULLOUGH
Box A,
MERCER, PA.

WOODLAND POULTRY FARM

Has been Taking Prizes for Twenty Years in

**B. P. Rocks, Black Langshans, White Wyandottes, S. C.
White and Brown Leghorns and S. S. Hamburgs**

BLOOD TELLS. THEY WIN FOR ME AND WILL WIN FOR YOU

Mrs. R. H. Bell, Washington Pike, Knoxville, Tenn.



S. C. Brown Leghorns

Twenty years breeding, judging and preparing birds for exhibition enables me to furnish winners. Some fine stock, both old and young, now ready for shipment.



D. M. OWEN, - Athens, Tenn.

DOAK'S WHITE WYANDOTTES

WON AGAIN AS USUAL

At NASHVILLE Sept. 23-28, 1907: 1st Pen, 1st Cock, 1st Hen, 2d Pullet, \$25 Cash Prize--**BEST PEN IN SHOW, ANY BREED**

E. L. DOAK, Greenwood Ave., NASHVILLE, TENN.

"FEED, TEN CENTS A BUSHEL"

Is your main feed for producing eggs and growing young stock costing you more than 10 to 15 cents a bushel? If so, you want my new book, title,

PROFITS IN POULTRY KEEPING SOLVED

which tells you how to make this great feed and gives you every detail in laying out and running a poultry plant. Gives you my lifetime experience. You can save \$25 a year on every one hundred hens you feed as well as increase your egg yield 30 to 40 per cent. No mashes under my new system. I have put hundreds of plants on a paying basis and can yours. Write today and stop that big feed bill. Circulars and testimonials free. My second edition of 3,000 copies now ready.

EDGAR BRIGGS, Box 156, NEW ROCHELLE, N. Y.

FIRST COCKEREL—JAMESTOWN EXPOSITION AMONG OUR WORLD'S BEST

WILBER'S SINGLE COMB WHITE LEGHORNS

Unexcelled America over for Beauty, Egg Production and Show Quality and winners in eighteen of America's best Shows. Choice birds at right prices. Eggs \$2, \$3 and \$5 for 15. \$3.50, \$5 and \$9 for 30. Write us your wants. Satisfaction Sure. Handsome catalog free.

WILBER BROTHERS

The White Leghorn Men.

Box G.

PETROS, TENN.

PORTER BROS.

R. 7, Columbia, Tenn.

WHITE PLYMOUTH ROCKS (Exclusively)

PENS ALL HEADED BY PRIZE WINNING MALES

WHITE WYANDOTTES Exclusively

BRED FOR UTILITY AND EXHIBITION

Won at Tullahoma, Tenn. (Lausden, Judge)—First Cockerel, Second and Third Pullet, First Pen. Won at Murfreesboro, Tenn. (R. E. Jones, Judge)—First Cock, First Hen, First Cockerel, First Second and Third Pullet, First Pen.

Early hatched, well developed Cockerels and laying Pullets for sale. Eggs, \$2.00 for Fifteen. JAMES BAIRD JONES, - - - - - MURFREESBORO, TENN.

"Sure Hatch" Prizes.

The Sure Hatch Incubator Company announces a Prize Contest for the year 1908 which will far exceed in liberality all previous contests.

The Company has divided the United States into six districts and increased the number of "hatching" prizes in each district to seven, making 42 prizes, besides numerous cash prizes for the best photographs showing the "Sure Hatch" Incubator in operation.

The majority of the prizes are "Sure Hatch" Incubators, which are well worth striving for, as these incubators are famous the world over for their splendid hatching qualities.

The Sure Hatch Incubator Company is the largest incubator concern in the world, and sells its output direct from factory to user at the factory price, on unlimited trial.

Readers of this paper who are interested in raising poultry for profit should write to the Sure Hatch Company, Box 51, Fremont, Neb., or Dept. 51, Indianapolis, Ind., for the "Prize Circular" and valuable book on Incubators and Poultry Profits, both of which are free postpaid.

"THROW PEARL TO POULTRY AND WATCH RESULTS"

Not all so-called grits do grind. Some are so round-cornered and so soft that they cannot do their duty well as "hen's teeth." It takes the sharp-cornered, hard kind like Pearl Grit to fulfill the conditions. Poultry-raisers have found it out, so have their fowls—that's why it's so popular. But it serves a double purpose. It not only grinds the food in the gizzard, but it helps make shell and con-



tributes to the bony frame-work of the body and to the circulation, to the covering of feathers; to scales on the legs; to beak and toes. It balances the food ration making it valuable and economical. Our little free booklet "True Grit" tells more facts.

Pearl Grit

contains Iron for blood; Lime for shells and bones; Silicon for feathers claws and beaks; Magnesia for shell; Sulphur for yolk. So it's a balancer to grains, grasses, flesh, etc., supplying what they cannot. If you would have your fowls vigorous, bright-eyed, strong in legs and in eggs, throw Pearl Grit to them and watch results. You'll like to read our little book, "True Grit." It tells a lot about chicks and hens that you would like to know; and also explains how necessary Pearl Grit is. Write to-day.

The Ohio Marble Co.
Box 225, No. Wayne St.
Piqua, Ohio.

**PEARL
GRI
TOMS**

WE WANT NAMES

We want you to send us the names and addresses of from ten to twenty-five persons living in the United States, each one having twenty-five hens or more. You can send us the names from any number of different post offices. If you will send us these names we will send you TWO BEAUTIFUL PICTURES FREE. These pictures are reproductions of the most celebrated paintings in the world, and they are of high quality, and we know that you will be pleased and delighted with them; no pictures will be given for a list of less than ten names.

We want to send a free sample copy of a special issue of THE HOME MONTHLY (The National Poultry Journal) to a lot of poultry raisers who are not now taking our paper, and for that reason we want these names.

Send us immediately a list of at least ten poultry raisers and we will mail you, postpaid, ABSOLUTELY FREE, TWO REPRODUCTIONS OF THE WORLD'S FAMOUS PICTURES. Address,

THE HOME MONTHLY. 637 W. 43d Street, New York, N. Y.

LATE COMING OUT.

On account of a walk-out of the union printers and pressmen in the office of our printers, the publication of THE INDUSTRIOUS HEN has been delayed this month.

Asheville, N. C., Show.

All signs point to a good show here. We can not imagine a better place for a North Carolina show than Asheville, situated as it is, with a fine poultry section to draw from and a population which should furnish a splendid attendance. The management is energetically at work and they will make it a success

Limestone County Poultry Show.

will hold its first annual show at Athens, Ala., Dec. 17-19, 1907. Entries close Dec. 16th. Eugene Horton, President, H. N. Binford, V. Pres., H. H. Smiley, Sec. and Treas., Judge R. E. Jones, Ernest Hine will have charge of the birds

Lost at Jamestown.

One Silver Seabright Bantam Hen and one White Frizzle pullet. Any information would be appreciated by Frank W. W. Mains, Morris Plains, N. J.

Licensed Poultry Judges.

Below is a list of Licensed Poultry Judges of the American Poultry Association. Send \$2 and we will insert your name and address under this head for one year:

Chas. V. Keeler,.....	Winamac, Ind.
S. T. Campbell,.....	Mansfield, Ohio
Clarence W. King,.....	Romulus, N. Y.
John Dudley,.....	Emporia, Kansas
O. P. Greer,.....	Bourbon, Ind.
A. B. Shaner,.....	Lanark, Ill.
Phil Feil,.....	Canal Dover, Ohio

Childress' S. C. White Leghorns at Birmingham.

Some one has said that "undoubtedly Childress has the best White Leghorns in the South. He has never been in a show without winning a ribbon, and has been in the hottest classes." At Birmingham, 1907, he won in great competition 1 cockerel; 1 & 2 pullets; 1 & 4 hen 1 pen and a \$25 cup for best pen in show. We note the above with pleasure and predict for "our John" more winning s and larger sales this winter than ever. He will be at Knoxville and if you want to see something good look up his birds.

Chair of Poultry Husbandry.

A Chair of Poultry Husbandry has been created in Cornell University and Prof. Jas. E. Rice has been selected to fill the place.

Mrs. M. A. Gibbon, Conway, Ark. won as follows at the Hot Springs State Fair: 1 and 2 pullets, 2 cockerel. Mrs. Gibbon no doubt has some excellent stock.

Souvenir Post Cards**Are All the Rage**

We manufacture them for you from photographs of yourself, your children, your residence, animals, birds, etc., plain or colored. Quick delivery guaranteed. Send for samples and prices.

The Industrious Hen Co.
Knoxville, - - - Tennessee

WHITCOMB FARM

Riverside, R. I.

Winnings at Providence, December 1907.

1, 2, 3 Cock,.....	Special for best Cock,
1, 2, 3, 4, Hen.....	" " " Hen,
1, 2, 4, Cockerel	" " " Cockerel,
1, 3, Pullet,.....	" " " Pullet,
1 Penn.....	" " " Pen.

Special for best pen of P. Rocks, with all varieties competing.

Special for best Barred Rock, Male.

Special for best Barred Rock, Female.

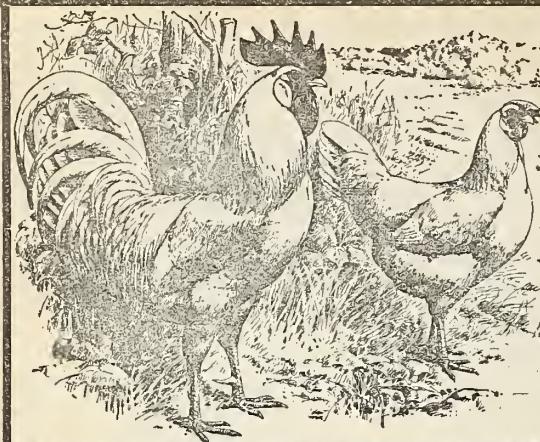
American Plymouth Rock Club Specials for Best Colored Male and Female

American Plymouth Rock Club Specials for Best Shaped Male and Female.

LANGFORD'S RHODE ISLAND REDS SINGLE COMBS ONLY

WON AT GREAT JAMESTOWN SHOW, the Poultry Event of the Year 1st, 4th, 6th ckls. 4th, 6th pullets 3rd cock, 3rd hen. Special for best shaped male. Special for best colored male. Red Club of America's Cup for best S. C. male in the show. Ten Prizes on Eight Birds in the strongest class ever shown.

FRANK LANGFORD, NASHVILLE, TENN.
ROUTE 10. STOCK FOR SALE. CATALOGUE FREE.



CHILDRESS'
S. C. WHITE LEGHORN
WORLD'S BEST EGG PRODUCERS

They have won prizes for me over the world's most noted breeders at Hagerstown, Md., Cincinnati, Jamestown Exposition, Birmingham, Ala., Atlanta, Ga., Chattanooga, Tenn., Sweetwater, Tenn., Knoxville, Tenn., Nashville, Tenn., State Fair and Charleston, S. C.

I have never entered my birds in any class without winning a Ribbon, and have never sold an exhibition bird that failed to win a place—have furnished the winners in two of our leading shows for three years in succession.

WHO HAS A BETTER RECORD?

Few Breeders for Sale.

Eggs in Season.

JOHN F. CHILDRESS, Box H, SWEETWATER, TENN.

National Meeting

The National S. C. Black Orpington Club will hold its annual Club show and meeting in connection with the Big Chicago show, Jan. 22-29, 1908.

American Poultry Association—Official Announcement.

To whom it may concern: All complaints of members of the American Poultry Association regarding the work or conduct of licensed judges of the American Poultry Association, while employed professionally are to be sent to the Secretary-Treasurer for action. Charles M. Bryant, President American Poultry Association, Ross C. H. Hallock, Secretary-Treasurer.

National Red Feather Club Bulletin.

CLUB SPECIALS—These will consist of a handsome ribbon, with Buckeye top-bar and center medallion overhanging, all done in gold and Buckeye brown. This is one of the finest ribbon specials ever offered, and will be given as the highest award to the club member exhibiting the highest scoring pair of Buckeyes at the show offering the Special as a premium. One ribbon will be furnished to each Club member, who may place same with any Show at which they may wish to exhibit. Remember one special free to each Club member. R. P. Searle. 1118 E. Bancroft St., Toledo, Ohio.

South Carolina Winners.

At the recent Anderson County, S. C., fair John L. Jolly and Son won as follows: Indian Games—Best cock, cockerel, pullet and trio. Pit Games—Best cock, hen, stags, pullet, trio.

Cure for Feather Eating.

A chemist reporting on the subject of feather eating amongst fowls finds nothing will disgust a bird more than trying a mouthful of feathers which have been drenched with a solution of sulphurated potash made with cold water. It is the surest and best cure for feather eating he has yet found. An advantage which it possesses is that no matter how strong a solution of it is made it will not harm the bird's skin.—Ex.

DON'T MISS

The Big Louisville Poultry, Pigeon, Dog and Pet Stock Show, January 13th to 18th, 1908. Liberal Premiums. Best Judges.

**WM. C. CAWTHON, Secty.,
2220 Rowan St., Louisville, Ky.**



Collie Puppies

I have a nice lot of Real Collies. Imported Stock of Greatest Winning Blood. Prices Right.

Leghorn Cockerels out of Large Eggs. White Wyandottes and Barred Rocks.

Write for Catalog

W. W. KULP, Box 75, POTTSSTOWN, PA.



- A - DEE FARM

J. A. DINWIDDIE, Prop.

S. C. RHODE ISLAND REDS

The great all purpose fowl. Layers, Broilers and quick growers.

AND

SINGLE COMB WHITE LEGHORNS

The greatest Egg Producing variety known. Large, white eggs.

STOCK FOR SALE

Bred for high egg production. Unsurpassed in standard bred qualities.

J. A. DINWIDDIE, R. 3, NEW MARKET, TENN.

Buff Leghorns for Sale

I still have 100 Breeders and Show Birds for sale at very low prices. Write me for prices.

B. S. BEUERLEIN

MOUNT MORRIS, NEW YORK

COLUMBIAN WYANDOTTES

We won special for best collection at Madison Square Garden, New York, 1906 and 1907; Clive H. Owen won special for best collection at Chicago, 1906 and 1907. We bought all his best old and young birds and have to-day as fine a lot of Columbias as any breeder in the world. Hundreds of old and young birds for sale. Remember Columbias will be money-makers for the next twenty years. Write for prices.

AUG. D. ARNOLD, Box 939, DILLSBURG, PA.

GLENVIEW ORPINGTONS

* BUFFS EXCLUSIVELY *

A few COCKERELS for sale, not quite good enough for the show room, but JUST RIGHT to head a good breeding pen.

B. S. HORNE

KESWICK, VA.

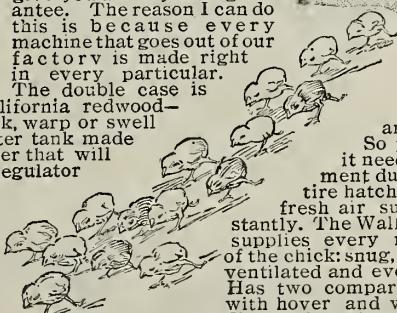
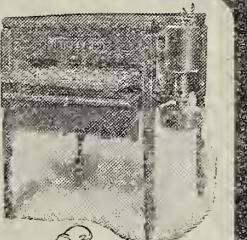
BUILT TO HATCH AND LAST

That describes my incubator fully. Built to hatch strong, healthy chicks that will "grow like weeds" from the very first day of their existence. I have been raising poultry for a good many years. I know just what an incubator and brooder should be, and I have included that knowledge in the WALLACE. I give you a whole season to try them, and in addition give you a five years' guarantee. The reason I can do this is because every machine that goes out of our factory is made right in every particular.

The double case is

made of first-grade California redwood—a wood that will not crack, warp or swell with the heat. Hot-water tank made of heavy cold-rolled copper that will last a life-time. Self-regulator

"Wallace Incubator"



substantial and accurate. So perfect that it needs no adjustment during the entire hatch. Supply of fresh air supplied constantly. The Wallace Brooder supplies every requirement of the chick: snug, warm, well-ventilated and evenly heated. Has two compartments; one with hover and warm air radiator, the other for feeding and exercising. My book of

Poultry Experience is free for the asking. It tells in a plain, concise way many things I have learned. Covers the whole subject. It's valuable for the beginner as well as the more experienced. My Incubator and Brooder catalog is also free. It will be of value to you whether you buy my machines or not, and I want you to have one.

Address, E. M. Wallace, Manager,

WALLACE INCUBATOR CO.,

Box 24,

St. Joseph, Missouri.

"Wallace Brooder"

for the beginner as well as the more experienced. My Incubator and Brooder catalog is also free. It will be of value to you whether you buy my machines or not, and I want you to have one.



WHITE PLYMOUTH ROCKS FOR SALE

To make room for my young stock I am offering for sale all of my

BREEDING STOCK

Consisting of fifty yearling hens and five cock birds. Now is the time to get something good cheap, as they must go. Write today for prices

D. P. WALKER, Route 1, SWEETWATER, TENN.

HIGH CLASS SCOTCH COLLIE DOGS FOR SALE

Columbian Wyandottes

AND

S. C. Brown Leghorns

WINNERS WHEREVER SHOWN

STURTEVANT BROS., Box 201, KUSHLA, ALA.

S. C. BROWN LEGHORNS

Leading Winners at Virginia State Fair and Richmond Show

Cockerels sired by my winners at bargain prices for next thirty days—the grandest lot of Aristocrats I have ever seen.

ORDER NOW IF YOU WANT THE BEST

STRAWBERRY HILL POULTRY YARDS

Box 287, RICHMOND, VA.

Member American Leghorn Club.

Member Virginia Poultry Association

American Poultry Association.

By order of President C. M. Bryant, a meeting of the Executive Board of the American Poultry Association will be held in New York city, Friday morning, December 20th, at ten o'clock.

It is expected that some important work will be planned at this meeting. Also, all applications for membership received up to date will be acted upon by the Board. Ross C. H. Hallock, Secretary, St. Louis, Mo.

Your Experiment Station.

This is a personal word to you. That it may be as personal as possible, I drop the usual editorial "we." I want a friendly word with you.

Every mail brings personal letters from subscribers asking for suggestions and information. Very many of these letters are entirely personal and of no value or importance to any one but the writers. I appreciate these letters and the confidence they imply. I gladly comply with every request they contain, if possible. Very often I can only very imperfectly supply the information or assistance desired. Very often this assistance could be more quickly and fully obtained from your own experiment station.

I am perhaps a thousand miles from your farm, and know little of your immediate surroundings. Your experiment station may be in your own immediate locality; its officers are possibly your neighbors.

You want to know the best variety of cotton for your locality; you inquire whether a new plant you find is a useful grass or a pestiferous weed. Why don't you make your inquiries of the men at your experiment station? If they are not competent to give the information desired, they are unfit for the places they hold, and it's up to you to see that they are succeeded by men who can give you the practical assistance you need.

I know most of these men personally. I know that most of them are only too desirous to be of real service if you'll only give them a chance. They are ready and anxious to respond to calls for assistance. They only need to be told what you need to respond with all the resources at their command. They are citizens of your own State, are in touch with local conditions, and have access to funds, laboratories and libraries. Yet you seek assistance from a personal stranger hundreds of miles away.

I am only too glad to serve you, but I want you to have the best, and all that you are entitled to.

You come to me. I am not a living cyclopedia. You often stump me. I often have to go to the officers, bulletins or reports of your experiment station before I can answer your questions.

Here is a personal illustration: I have been identified with experiment station work for many years. Several years ago two gentlemen came to my office at the station and introduced themselves as from a little town twelve miles away in that very county. They had never been to the station before. I had never met them. They said they had recently desired information on a certain important point. They wrote to an agricultural paper published in a distant state.

The editor replied: "I can't help you. The best work in this connection has been done by your experiment station. Go to them." Yet at the very time the experiments, the results of which were of great importance to these men, were being made, they were working farms only twelve miles away. After going hundreds of miles and weeks of delay, they came right back home for the information desired.

It is possible that you do not fully understand the real object of these stations, or your claims on them.

The national law creating them specifies that they shall "disseminate information." This is their real object. Much of this information they must secure from experiments, but the dissemination of information is the chief object of their existence. They are to do this in your behalf. You have the right to call on them. They are yours. All that they do belongs to you. Some of it is of great immediate practical value to you. All of it should be of interest to you.

Write to your experiment station, ask to be put on the mailing list for the receipt of its publications. These will not all meet your individual needs, but some of them will. Get them. Get in touch with your station and its men. When you need information, go to them. You will be surprised and gratified to learn how close you can get to these station workers, how far out of the way they will go to meet you, and render you real service.

Many of you know this. I speak to those who do not.

Come to me as often as you will, but you and your experiment station should get together.—*Southern Ruralist.*

The INDUSTRIOUS HEN

Candid Comments on the Work of the American Poultry Association.

A correspondent wants to know something about the American Poultry Association. He asks if any poultry raiser can join it. He wants to know all about qualifications and fees. He wants to get a list of its officers. And he asks what I think of it, anyway, and if all reliable breeders belong to it.

When I become the editor and manager of the greatest poultry paper on earth I will keep a column in type all the time that shall give about all the information desired by this inquirer. It is not found very readily by the uninitiated as things are now, but the neglect probably is not intentional on the part of the honorable gentlemen who compose the American Poultry Association, but is due, rather to an oversight.

I think the organization a very good and useful one. It has kept alive the interest in improved poultry through periods of great depression, when it would have languished had it not been for the constancy of this organization. It has made poultry keeping honorable, it has raised the standard of high class fowls and it has promoted the best interests of American poultry men in many ways.

It has been criticised by enemies and friends alike, and it may have faults, but it has done so much good that we can afford to overlook these few faults. It may be somewhat autocratic and it may seem a little bit one sided sometimes, but it has earned the right to perpetual life and the respect of American poultrymen.

A great many reliable poultry breeders do not belong to it, and some of those who do not belong have as good fowls as some of those who do belong, but that cuts no figure, for there are some who are more or less timid about such matters and who have missed seeing the invitations such organizations usually send out. There have been few secrets in the work, I think, but while there is much printed about the association, it is not often that one sees anything about how to become a member. I do not like some of the recent rulings of the society myself, but, on the other hand, I do not indorse all the criticisms that are heaped upon it, nor would I like to see it crippled by too many amendments. I think, however, that one or two good men, and maybe one or two good breeds, have been discriminated against lately, but that can be righted later on if the enemies of the organization are not allowed to take advantage of these errors and magnify their importance.

The American Association is worthy the support of all American poultrymen; there is nothing wrong about it that can not be satisfactorily adjusted. It has done good, and it will do more good as the years go on. No, I do not belong to this organization, so what I say can be considered disinterested.

I breed only the old historical game fowl and the old American Dominique after their original model, and they, as such, are not recognized by the Standard, so I have had no real occasion to try for a membership. It is to be hoped that some of the members of this association will write a good long article upon its work and also tell us about its membership. Such an article would be good reading, and it should be written by one who is a working member, and who has the interests of the organization at heart.—*Cor. Tribune Farmer.*

The above is a very fair statement about the A. P. A. from the viewpoint of an outsider. It seems strange that he has not seen articles about its work, for under the able administration of President Curtis great work was done on the line of publicity as well as a reorganization and awakening to new life. The correspondent is wrong about Dominique not being in the New Standard; if he will look on page 70 he will find them, with illustrations, too.

..THE COMMONER..

Bryan's Paper, one year - - - \$1.00
The Industrious Hen, one year - .50
\$1.50

The two one year for \$1.00 if subscription is sent to this office.

SINGLE COMB BUFF ORPINGTONS

Won at Morristown, Tenn., show, 1st pullet, 2nd pullet, 2nd cockerel. Eggs from select stock carefully mated. \$2.00 per 15.

R. B. BEWLEY - RUSSELLVILLE, TENN.

At the Great Jamestown Exposition Poultry Show MISHLER'S ROSE COMB BLACK MINORCAS

Won 1, 2, 3 cks.; 2, 4, 5 hens; 3, 4, 5 ckls.; 1, 2, 3 pullets, 1, 3 pens in a strong class of 37 birds. Stock for sale. Let me know your wants.
LLOYD C. MISHLER,
Box 27, N. Manchester, Ind.

**AIRFIELD
INCUBATOR**

Bids for your order on the strength of what it will do for you. You want the machine that won't take an expert to operate—that hatches every hatchable egg—a simple, durable, well-built incubator—that's the Fairfield. Our guarantee says: You must be satisfied or no sale. Get new catalog and read the guarantee—the broadest ever put out by any incubator builder. Catalog's free—write, Nebraska Incubator Co., Box 2, Fairfield, Nebraska.

1908 CATALOGUE FREE



Describes and gives prices of forty-five leading varieties land and water fowls and eggs. Every person interested in poultry for pleasure or profit should send their address for this book.

S. A. Hummel, Box 39, Freeport, Ill.

TOBACCO STEMS

**WILL KILL LICE
ON ANYTHING LIVE OR DEAD.**

1 Bale	100 lbs	\$1.00
2 Bales	200 lbs	\$1.90
3 Bales	300 lbs	\$2.85
5 Bales	500 lbs	\$4.00
10 Bales	1000 lbs	\$7.50
20 Bales	2000 lbs	\$14.00

H. & J. BREITWIESER,
BUFFALO,
ROB-CASH — **CIGAR
MANUFACTURERS**

STEVENS

IN CAMP OR FIELD—AT MOUNTAIN OR SHORE

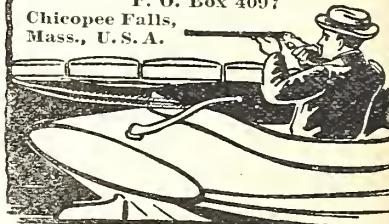
There is always a chance to enjoy some shooting
TO SHOOT WELL YOU MUST BE EQUIPPED WITH A RELIABLE FIREARM: the only kind we have been making for upwards of fifty years.

Our Line: RIFLES, PISTOLS, SHOTGUNS, RIFLE TELESCOPES, ETC.

Ask your Dealer, and insist on the STEVENS. Where not sold by Retailers, we ship direct, express prepaid, upon receipt of Catalog price.

Send for 140 Page illustrated catalog. An indispensable book of ready reference for man and boy shooters. Mailed for 4 cents in stamps to cover postage. Beautiful Pen Color Hanger forwarded for six cents in stamps.

J. STEVENS ARMS & TOOL CO.
P. O. Box 4097
Chicopee Falls,
Mass., U. S. A.



FOR SALE.

S. C. Rhode Island Reds—4 hens and 1 cock. The father of this cock sold for \$150.00. All are from Hansen the famous R. I. Red Breeder. Will sell at a Bargain.

J. FAULCONER,
Lock Box 125,
Middlesboro, Ky.

POULTRY and GENERAL JOB PRINTING
100 Envelopes, 10 Note Heads and 100 Business Cards, \$1.00 postpaid. FREE use full line of Standard Cuts. SAMPLES FREE. W. A. BODE PTG. CO., FAIR HAVEN, PENNA.

WHITE WYANDOTTES BRED TO WIN! BRED TO LAY!



Won at Birmingham, Ala. Dec., 1908: 1st Pen, 1st Cockerel, 2nd Cockerel (tied), 2nd Pullet, 5th Cock, Silver Cup, and three specials. At Nashville, January, 1909: 1st and 2nd Pullets, 1st Hen (tied), 2nd Cockerel, 2nd Pen, Ivory Soap Cup and three specials. Eggs \$1.50 per 15.

B. A. HASTINGS, Box 24, GALLATIN, TENN.

SHAW ROCKS Are Surest

The winners at the hottest White Rock shows last season were "Shaw" birds. We can furnish the evidence. "Be sure you're right, then go ahead." If you are not sure, then get some "Shaw" birds and breed winners yourself. Or we can furnish you exhibition birds to win in the best shows this season. We have bred winners at Chicago, Indianapolis, Kentucky, Tennessee, Illinois, Kansas and Missouri State shows; not mentioning a whole host of others. We hold the world's record pen score on White Rocks; 192 points in competition. Write us your wants.

**WABASH POULTRY FARM
F. L. Shaw, Mgr.**

LICENSED POULTRY JUDGE



BLUE BLOOD
Winners.

HARD TO BEAT

LARGE PRODUCTION
Layers.

BAYNE'S EGG RECORD STRAIN OF WHITE WYANDOTTES

With fowls having an average egg record of 198 eggs in a year, I won this season at Knoxville, December, 1906, 1st hen, 3d cock, 2d pen, highest scoring W. W., and had best shaped male. At Bristol, Va., January, 1907, 1st, 2nd cock; 1st cockerel; 1st, 2nd, 3rd, 4th hen; 1st, 3d pen; best shaped male, and silver cup for largest winning display of 10 or more birds in American class. My fowls have vigor, health and hardiness; raised on free range—forty acres. Breeds, show or business birds on sale. Eggs \$2 for 15; \$3.50 for 30; \$4.50 for 50; \$8 for 100.



T. L. BAYNE, RUSSELLVILLE, TENN.

Cup Won at
Bristol Show

No. 6; Score 93, Egg Record 197.



JOHNSON SAYS "I Believe I Can Help You in the Poultry Business"

I don't think
any one man knows
everything there is to know
about hatching chickens, but I
do know that Old Trusty has given
satisfaction to more beginners in poultry
raising than any other incubator ever made.

OLD TRUSTY INCUBATOR

is built on experience, not theory. It is simple and sure with no superfluous parts with funny names and hard to understand or regulate. It is absolutely automatic and sent on

40, 60 or 90 Days Trial

Freight prepaid, and I guarantee that it is the most easily run, the most time-saving and oil-saving incubator in the world, and that you will get 75% hatches or better from the start—not next year or the year after next—but right now.

Get Johnson's Big Book

A poultry book by a man who knows. 176 pages; every page a poultry sermon. 300 pictures and I honestly believe more good chicken sense than ever was put into one book before. Send your name today to

M. M. JOHNSON, Clay Center, Nebraska



Johnson
Pays
the
Freight

POULTRY MEN

Send for our new 36 page Illustrated Poultry Catalogue. Absolutely Free.

EAST DONEGAL POULTRY YARDS,
MARIETTA, PENNSYLVANIA.

Single Comb Rhode Island Reds

WINNERS at Nashville, Tenn., Birmingham, Ala., The Great Barnum Show, Charleston, S. C., and the Great South and East Texas Shows, Houston and Marshall, Texas.

Show Birds and Fancy Breeders for Sale Now

After June 1st all Eggs at Half Price. Circular mailed free Write me your wants.

L. K. Terrell, = = = Birmingham, Ala.

Renew your subscription to The Hen today

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE INDUSTRIOS HEN

Preserving Eggs in Water Glass

Now that the hatching season is over we have more eggs than we really know what to do with. The store only pays 12 to 18 cents a dozen for them. Now we want to put these eggs away so that we can sell them for good eggs in winter and fall at fair prices. We do not say that they are fresh eggs, but we can say that they are good eggs, and that is all we want when it comes to cooking in the fall and winter months. We have put eggs away for three years now, and in using the water-glass method we have not yet found one bad egg. We used lard to cover them and then put them in bran and they were not over half satisfactory. Then we put some away in oats and turned the box every day. These were satisfactory. Then we used the lime, salt, and water method. This was good, the great drawback being that the shell seemed to be a little soft. These eggs kept fine. The very best, and, in fact, the one that gave perfect satisfaction, was the water-glass (sodium silicate). The government experiments speak in very high terms of this method of keeping eggs. The preparation is easily fixed. Take ten times as much water boiled and add to the water-glass. Put the solution in stone jars or crocks. Keep covered all the time and keep in a cool place. The eggs keep best when put in every other day at least. Daily putting away is best as then the eggs do not get heated. One gallon of sodium silicate makes about ten gallons of water-glass that will store about one hundred dozen eggs.—H. P. Wightman, Evanston, Ill.

\$840,000 Net Profits from Raising Bermuda Ducks

The official statement is made that the Bermuda onion crop, in Texas this year, shows \$840,000 net profits for the raisers. The total acreage was about 2,000, and the net profit per acre, was \$420. This is certainly an item of special interest for people who almost live in daily want in our large cities and who imagine that money can not be made in the country. Our cities are growing so rapidly that the demands, for farm and garden products, are a long way in advance of the production. Hundreds of thousands of healthy but really needy people can find happy and prosperous country homes in every state. Telephones, electric interurbans, etc., are bringing the city and country closer and closer together and the profits to be made in garden and farm are very much larger than the net profits of any retail or wholesale business or of any factory. When \$420 can be clared on one acre of onions how can any man be justified in clinging to a poorly paid city existence.

Do you realize that the great state of Texas could support our entire population if her immense acreage was all rightly tilled? We do not want to urge every one to raise onions but we do desire to impress on your mind that the largest real, not paper, profits are made right in the garden and on the farm and we give this onion fact prominence simply as an object lesson. Young man, think long and carefully before giving up the sure returns of farm life for the extremely uncertain and heart breaking experiences of our mad, rushing and nerve destroying city activities. If you pay the awful price you may succeed in the general business struggle but be sure and remember that statistics prove that the mad god of trade will destroy ninety-eight out of every one hundred that try to win victory under his banner. Is it worth the price?—*Illuminated World Life.*

First Bulldog—This is the worst spring I've ever experienced.

Second Bulldog—It is backward. So far I haven't had a chance at a single tramp, and this time last year I had the seats of four pairs of trousers in my kennel.—*Detroit Free Press.*

The INDUSTRIOUS HEN

White Eggs the Best.

One of our Northern contemporaries states that white eggs bring more in the market than the buff colored variety, and recommends all poultry raisers to keep hens that lay white eggs. We had not noticed this peculiarity in the egg market, and think our Northern friends are over-sensitive. We, of the South, do not draw the color line on eggs.—*Southern Farm Journal*.

In New York they prefer white eggs and they will sell for a cent a dozen more than brown ones. In Boston it is just the reverse, there brown eggs are worth a cent a dozen more than white ones. In the South our market is not yet educated. It will not be long before there will be an improvement. It will be a matter of money. For now on account of bad packing, poor handling, lack of freshness and promptness in gathering and sending to market, Southern eggs are quoted from two to four cents lower on the list. Just think what an enormous loss to our farmers, which they can remedy easily.

FREE TO YOU THIS BEAUTIFUL FOUNTAIN PEN

Postpaid, as a premium with our great Club Offer No. 10F.

This is your last chance to get 7 of the best known papers in the world for 78c.

LOOK!
Industrious Hen
Poultry Digest
Rural Weekly
Goodall's Weekly Farmer
Woman's Home Journal
Rocky Mountain Magazine
American Stories

THE PEN
All of the above for
ONLY 78C.

The picture of Pen is only one-half of the regular size.

If you don't want the pen yourself you can readily sell it.

A DESCRIPTION OF THE PEN.—The pen points are perfectly fitted, and the feed will flow evenly, without leaking or blotting.

These pens are made by one of the largest and best known manufacturers in the United States. Each pen comes packed in a box with silkirections, and is glass filled and is ready for immediate use.

SCHOOL CHILDREN will find this Pen their greatest convenience.

THIS OFFER IS FOR ONLY A VERY SHORT TIME. IF YOU WANT PEN ORDER NOW, OR YOU MAY BE TOO LATE.

If you are already a subscriber to any or all of these papers, your time will be extended one year on receipt of the combination price.

EVERY PAPER GOES TO YOU FREE ALL YEAR.

The papers are so well known that a description of them is unnecessary.

REFERENCE.—North Memphis Savings Bank, Memphis, or any business house in this city, and any paper in our clubs.

WE WANT AGENTS AND REPRESENTATIVES ON SALARY OR COMMISSION.

NOTICE—Never send stamps in payment of clubs. Or personal checks. Add 10 cents for postage on all orders.

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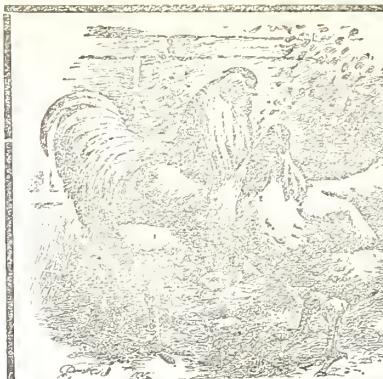
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PLANTERS' JOURNAL PUB. CO.

Dept. 10 F. Memphis, Tenn.

The *Southern Farm Journal*, of Chattanooga, Vol. 1, No. 1, is before us. It is gotten up in fine style typographically, and the articles are well selected and written. We were specially interested in "The Message of an Ear of Corn." There is a great field for just such a farm paper in East Tennessee. We believe there is a great future for the *Southern Farm Journal*.

The town of Cookeville, Tenn., on the Nashville division of the Southern Railway, is not only well located in a fine fruit and agricultural section, but is enjoying a most satisfactory industrial growth, having a dozen busy factories, besides three newspapers, two banks, five churches, and schools for 600 children.



SANITARY POULTRY YARDS "FAMOUS" WHITE WYANDOTTES

Now is your opportunity to Infuse New Blood

ONLY A FEW LEFT

10 cockerels at \$2 each; 10 cockerels at \$3 each; 10 cockerels at \$4 each; 10 cockerels at \$5 each.

FAMOUS STRAIN

of heavy layer-, Bred by Trap-Nest System.
Write at once; state your wants.

W. T. ROBERTS, Curley, Ala.
Member National White Wyandotte Club.

WALKER'S BARRED ROCKS and WHITE WYANDOTTES

WIN WHEREVER SHOWN

Winning first honors at Knoxville, Sweetwater and Madisonville, Tenn.

Our birds are farm-raised. Send us your order and start right
Eggs \$1.00 per 15 balance of season.

WALKER BROS., R. I., MADISONVILLE, TENN.

WHITE ROCK POULTRY YDS.

L. A. DICK, Proprietor

W. P. ROCKS and S. C. BUFF LEGHORNS

YOUNG AND OLD STOCK FOR SALE

L. A. DICK, - - - NEW MARKET, TENN.

PAXTON'S WHITE WYANDOTTES

EGGS. EGGS. EGGS.

Pen 1. Headed by "John D," score 94½; six Pullets, scoring 94 to 95½, including "Lady D," true Wyandotte, best shaped pullet in the South. EGGS, this Pen, \$2.50 per 15.

Pen 2. Good UTILITY STOCK. EGGS, this pen, \$1.00 per 18. Send me your order. I'll treat you right.

A. J. PAXTON, Jr.

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Profusely illustrated, showing the newest and richest creations in Gold, Gem-set and Tennessee Pearl Jewelry, Watches, Cut Glass, Sterling Silver and other fine gift wares. It's free on request. Hundreds of persons throughout the South satisfactorily deal with us, and we want YOU to be one of our patrons.

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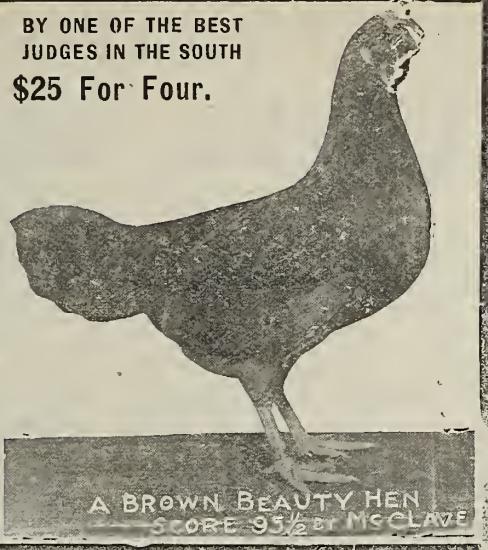
Send us your Fine Watches to be repaired.

**HOPE BROS. JEWELERS, 519 Gay Street
KNOXVILLE, TENNESSEE**

I WAS OFFERED \$10 For One Pullet. \$25 For Four.

The male bird is more than one-half the breeding pen. I will sell you a cockerel from same line breeding for \$10 now. This should interest you if you want the best,

J. H. HENDERSON
THE BROWN LEGHORN SPECIALIST
KNOXVILLE, TENNESSEE



...RECORD BREAKERS...

R. C. BROWN AND S. C. WHITE LEGHORNS and S. C. BLACK MINORCAS.

I breed to lay. Have two hens that layed 253 eggs when pullets. My matings are made from my best layers. I challenge the world for better laying strains. Eggs and stock by the 100 or less lots. Write me for show record.

FRED AXLEY, R. 5, Sweetwater, Tenn.

RHODE ISLAND REDS ROSE AND SINGLE COMB

Largest Exclusive Breeders of Reds in the South

All birds standard bred, correct color, hardy and prolific. None but the best allowed to live. Send us your orders if you wish to start right. List of winnings, with matings for 1906 free.

Eggs from Prize Pens. \$2.00 per 15. Special Prize Matings. \$5.00 per 15

WEST DURHAM POULTRY FARM,

WEST DURHAM, N. C.

S. C. R. I. Reds :- Indian Runner and Rouen Ducks

Beginning June 1 we shall offer some grand breeders at attractive prices. Females, 1 and 2 years old, \$1.50, \$2.00 to \$2.50. Males \$2.50 to \$5.00. Mated trios and pens at all prices. Also eggs and chicks. Write us your wants. Birds shipped on approval.

W. H. WITTINGTON, Mgr.

WHITE BIRCH POULTRY FARM, Bridgewater, Mass.

How About Maturing Pullets—Your Pullets

Did you succeed last year in getting your pullets to laying in the fall? I can help you in this if you will let me. I have had hundreds of students the past two years in all the needs of poultrymen for practical help. These lessons have been printed in convenient form—handy, short—and are mailed in a single package for one dollar. Covers one year's work with chicks and hens.

DR. N. W. SANBORN, Box H, BELLINGHAM, MASSACHUSETTS

WARD'S RHODE ISLAND REDS

Our matings this year are the best we ever had, and we are now prepared to furnish good fertile eggs for hatching, by the setting or in incubator lots.

Prize Matings; \$3.00 per 15. Special Matings; \$2.00 per 15. Incubator eggs \$8.00 per 100.

We still have a few choice trios of birds to dispose of at \$10 per trio, also a few nice Cockerels. Write for free circular.

LAKEMONT POULTRY FARM.

C. FRED WARD, Prop.

WINTER PARK, FLA.

Here and There in the South.

Experienced farmers without capital can be accommodated with desirable locations along the Southern Railway. For particulars, write M. V. Richards, Land Agent, Southern Railway, Washington, D. C.

Arrangements have been made for the erection by the Henkel Live Stock Co., at Knoxville, Tenn., of a stable to cost \$25,000 or more, to be used for a horse and mule exchange.

There seems to be no let up in the additions that are being made to the Southern cotton mills. Not only are new mills being built, but the established ones are adding more spindles and looms. Several new oil mills are also reported.

In 1890 there were 1100 banks in the nine Southern States reached by the Southern Railway and Mobile & Ohio Railroad, while in 1906 there were 2700. Bank deposits increased in 10 years, ending with 1906, from \$221,000,000 to \$882,000,000.

Lost at Birmingham.

Mrs. F. O. Hurt, Limrock, Ala., reports the loss of a very fine S. C. Rhode Island Red Cock. She had just bought him from Mrs. Frank Langford. He was leg-banded No. 99. Any information regarding this bird should be sent at once to Mrs. Hurt.

A Texas Winner.

Frank Langford, the greatest S. C. Rhode Island Red breeder of the South, won as follows: Fort Worth, Texas, Dec. 4 and 6, 1907, in a class of 148 Reds, won 1st cock, 2nd hen, 1-2 ckl's, 1-3 pullets, 1st pen. Gold special for best Red pen. \$75.00 cash for best parti-colored pen in show. A total of nearly \$100.00 won by eight birds.

HALLMARK'S S. C. Brown Leghorns ARE WINNERS

They won at Birmingham, Ala., Dec. 5-10, 1906: First pen, first pullet, first cockerel; also three specials. 50 pullets at \$1.00 each while they last.

J. F. HALMARK

Route 4. ONEONTA, ALA.

LUMLEY'S

LANGSHANS (B.I.K.) LEGHORNS (S.C.W.)
Best winter layers on earth. Record laying strain

RHODE ISLAND REDS (S.C.)

The utility bird

PEKIN DUCKS

Laying at 5 mos. old

INDIAN RUNNER DUCKS

Lay like leghorns

Our birds are standard bred and from finest laying strains. Prize Winners every time

16 First, 9 Second, 7 Third Premiums in three September 1907 shows. 1907 Tennessee State Fair —7 birds entered—won 3 1sts, 3 2nds, 1 3rd.

Eggs From prize winning pens \$2.00 for 15
(as good as anyone's)

Other pens \$1.00 for 15. Satisfaction guaranteed

W. E. LUMLEY, Wrightsville, Ga.

...FAUST'S BUFF LEGHORNS... ARE RIBBON PULLERS.

Cockerel in breeding scores 95%. Pullets and hens, from 98 to 98½ points.

EGGS \$2.00 PER FIFTEEN

L. G. FAUST, NEW MARKET, TENN.

MOFFITT'S

Perfection Ideal Aluminum Leg Band—2 for 10c; 25 for 20c; 50 for 40c; 100 for 65c. State variety bands are for. Send two cents for sample. For Poultry and Pigeons.

J. MOFFITT, Southbridge, Mass.



Subscription Blanks

Are placed in each copy of this issue of THE HEN, and your attention is called to the date on the wrapper after your name. If you are in arrears, or your time will be out soon, take advantage of one of these blanks and *renew at once*. To delay is dangerous. If you allow your name to be taken off the list you may miss an issue. Can you afford it? Can you afford to do without this paper a whole year for the sum of 50 cents, or for three years for \$1, less than 35 cents a year? If you cannot use the blank don't throw it down, but hand it to a friend and ask him to use it. You may send either one or three names on it—but send it.

Revolution Going on in Southern Farming

"A revolution in Southern agriculture is now in progress," said President W. W. Finley, of the Southern Railway, in a recent address before the Atlanta (Ga.) Chamber of Commerce. "It has been made possible," he declares, "by improved transportation and by the development of industrial centers depending upon improved transportation. Most of us can remember when one-crop agriculture prevailed almost exclusively south of the border States, and when few farmers thought of marketing anything but cotton. The Southern farmer still has almost a complete monopoly of the cotton production of the world, but he is turning his attention more and more to diversified farming."

"The Southern towns are supplying him with constantly growing home markets that were formerly beyond his reach. A generation ago a Florida orange was a luxury in many parts of the United States, and early fruits and vegetables for Northern markets were grown in hot houses and sold at prices that put them beyond the reach of all but the wealthy.

"Today Florida oranges can be bought all over the North and early Southern vegetables and berries and Georgia peaches and watermelons have come to be regarded as almost necessities of life, and can be bought by the workingman of Boston or Chicago as freely as the more prosperous man could buy the hot-house products of a few years ago.

"The result is that the North is contributing millions of dollars each year to the farmers, gardeners and fruit growers of the South. This result has been largely brought about by the development of through rail transportation, and if there is one man who, more than any other, is vitally interested in everything that will contribute to the improvement of the railway systems of this section he is a Southern farmer."

Some idea of the extent of the "revolution" that is going on may be gathered from the fact that last year the Pennsylvania railroad handled 70,000 loaded cars of fruit and garden truck from the South—destined to northern markets. One factor which has contributed enormously to developing this traffic has been a system of freight-rate charges whereby the same rate is charged to places within a limited radius of a large distributing center as to the center itself. This has placed Southern fruits and vegetables within reach of many who could not otherwise purchase them, and the market has thus been greatly enlarged.

PARRISH'S Light Brahmans ... and ... Columbian Wyandottes

Write for Catalogue

**T. REID PARRISH
NASHVILLE, - TENNESSEE**

Fine Lot of Ringlets for Sale

A grand flock of fine fowls, many of them blue ribbon winners, at reasonable prices. Exhibition fowls made a specialty, bred for size and egg production. Can furnish you fine large cockerels to improve your flock, of following strains: Thompson's Ringlets, Buff Rock Nuggets, Latham's Barred Rocks, Fishel's White Rocks, Duston's White Wyandottes, Partridge Wyandottes, Cook's Buff and White Orpingtons, Anconas and Rhode Island Reds, direct from their native land. Have won 100 prizes and a number of specials since 1906. Won a number of prizes at the Burlington Fair for 1907. The remarkable sales of the past season stamps their superiority. Write for show record and prices.

**DR. JOHN W. LASLEY,
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MILLICAN'S STRAIN

S. C. WHITE LEGHORNS

Are no experiment but have been bred for great egg production. Their winnings at Chicago, Cincinnati, Louisville, Nashville, Birmingham, World's Fair, St. Louis, State Shows, in fact the world's largest exhibits, stamp their quality, as judges and poultry artists claim them to be the

BEST STRAIN OF S. C. WHITE LEGHORNS
in existence. Over 1,000 cocks, cockerels, hens and pullets. Birds sold and guaranteed to win in any competition.

JOHN R. MILLICAN - - - Valley Station, Ky.

Photos of S. C. White Leghorns

See what you buy, by writing for a photo describing the specimen you want. 1,000 high class birds to select from, winning at such shows as Cincinnati, Louisville, Ky., State Fair, Lexington, etc.

W. E. GABHART, Box M, BOHON, KY.

POSITIONS SECURED or Money Back

CONTRACT given, backed by **\$300,000.00** capital and 18 years' SUCCESS

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Have for Sale,
**50 Cockerels
100 Pullets**



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Bronze Turkeys and Partridge Wyandottes



Leading Winners at Madison Square Garden,
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Our catalogue and Mating List tells all about our matings and
winnings on Partridges and Turkeys.

Choices Stock always for sale. Write your wants. We can please you.

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PARK POULTRY PENS

Miss Alice Pelton, Mgr., Nashville, Tenn.

R. I. REDS AND BLACK LANGSHANS

Fine lot of young cockerels sired by 2nd prize Rhode Island Red
cock at State Fair at \$2.50 and \$5 each.

WILL CLOSE OUT SOME ELEGANT YOUNG LANGSHAN STOCK CHEAP

S. C. BROWN LEGHORN FRUIT FARM.

EXHIBITION FEMALES A SPECIALTY.

Eggs \$1.00 and \$2.00 for 15; \$2.50 per 50; \$1.00 per 100. Can fill big orders.
Stock for Sale. Satisfaction Guaranteed.

Reference: Athens Bank and Trust Co.

Fruit Trees for sale cheap.

C. G. GUFFEY, - - Athens, Tenn.
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LOUIE AND FRED BROWN, Owners
BREEDERS OF

Buff Wyandottes, Black Minorcas, B. B. Red
Game Bantams, Buff Cochinchin Bantams, Pekin
Ducks, Scottish Terrier Dogs and Berkshire Hogs

Nothing but the best kept here. Write us your wants.



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S. C. White Leghorns; Barred Rocks; S. C. B. Minorcas; Pearl Guineas; Indian Runner and Pekin Ducks. Toulouse Geese. Stock for Sale Eggs in Season. Prices right.

MRS. K. C. FLANIGAN, Hohenwald, Tenn.

JUST SEND 25 CENTS

And get two dozen of the smartest colored post cards that ever "come down the pike." Address
Industrious Hen Co., Knoxville, Tennessee

NORTON'S WHITE PLYMOUTH ROCKS CONTINUE TO WIN

After winning fifty-one ribbons at six leading shows in 1906-'07, I won again at State Fair.

A Limited Number of
FINE YOUNGSTERS

White as snow, great in quality,
for sale; raise them in my own yards.

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J. O. NORTON
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ROSE COMB RHODE ISLAND REDS EXCLUSIVELY

21 acres and all my care devoted to them.
Winners at Elgin and Nunda, Ill., scoring to
94 points. Eggs \$2.00 for 15; \$5.00 for 45;
\$10.00 for 100. Choice exhibition birds for
sale. Write your wants.

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Send 16 cents in stamps for large Cut
Catalog, Sample and Prices, stating your
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MODEL

Incubators and Brooders

Hatch and Rear Successfully

At the Time of Year When Poultry-Raising is Profitable

You don't want an equipment that can be used only during warm weather, when myriads of hens are hatching. Then your broilers are marketed—or your late pullets begin laying—at the time of low prices.

Begin your work early, and market at the time of scarcity. There is more profit in one broiling-chicken marketed in March, April or May, than in six marketed in September or October. A pullet that will begin to lay in the early fall will pay for herself in two months, while the bird that does not come to laying maturity until spring, when every other hen is laying, barely pays for her keep.

Model Incubators and Brooders are what you need for raising winter chicks, or early pullets. They are substantially made. The **Model Incubators** have thick walls, and will hatch in a cold room. The **Model Brooders** are well heated and well ventilated—just what is needed for cold-weather work.

Model Incubators and Brooders are used by the successful winter-chicken men, the successful egg-men, and the successful duck-men. They give profitable results—the results you are looking for. Write for descriptive literature.

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Model Corrugated-Leaf Compound Thermostat

Strong Active Sensitive Positive



Most perfect heat-controller in existence

A perfect heat control stimulates and holds the germ development uniformly constant and normal—as under a hen.

HELP! US TO REDUCE OUR STOCK BY TAKING ADVANTAGE OF THE FOLLOWING BARGAINS:

100 S. C. B. LEGHORN HENS and PULLETS	worth \$1.00 to \$2.00	Sale Price 75c to \$1.00
25 " " Cocks and Cockerels	" \$2.50 "	\$1.00 " \$5.00
25 R. C. W. " Hens and Pullets	" \$1.00 "	\$2.00 " \$1.00
3 Slightly used Model Incubators	" \$22.00	" " \$16.00
5 " Colony Brooders	" \$15.00	" " \$11.00
1 " Double Incubator	" \$15.00	" " \$10.00
1 New (Never uncrated) Model Incubator	" \$22.00	" " \$20.00
1 " "	" \$16.00	" " \$15.00

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Cr Call W. L. George at E. T. Nat'l Bank. PORTER-GEORGE POULTRY CO., R. F. D. No. 12, Knoxville, Tenn.

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CARRY FULL LINE CYPHERS' INCUBATORS AND BROODERS.

Prospective buyers are invited to call or correspond. They can save you money and show goods before you buy.

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Rates \$2.50 and up. Rooms
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PARTRIDGE, SILVER PENCILED, GOLDEN BARRED
AND BARRED PLYMOUTH ROCKS.

White, Black, Columbian and Silver Penciled Wyandottes. My birds have won the highest honors at the World's Fair, Madison Square Garden, Philadelphia and Washington. Moderate prices. Free Catalogue.

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Wm. F. FOTTERALL, Prop.